



HEAVY-DUTY TOOLS

FOR CONTRACTORS AND INDUSTRY

SOLD BY

Amstar
CORPORATION

CATALOG
476

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HEAVY-DUTY TOOLS

**FEATURE HIGHEST QUALITY
MATERIALS AND WORKMANSHIP**

AUTHORIZED SALES: MILWAUKEE Electric Tools are sold only through Authorized Distributors with experienced personnel to assist you in selecting the proper tools for your specific requirements. You derive a real advantage in buying from your MILWAUKEE Distributor. He not only maintains well balanced inventories of tools for immediate shipment, but places at your disposal the services of his trained and experienced personnel to advise you on special product applications.

TESTED — LISTED:



MILWAUKEE Heavy-Duty Tools bearing monograms of Underwriters' Laboratories, Inc., or Canadian Standards Association are listed by their laboratories for industrial use.

LIMITED WARRANTY: Every MILWAUKEE Tool is thoroughly inspected and tested before leaving the factory. Should any trouble develop, return the complete tool prepaid to the Factory, Branch or nearest Authorized MILWAUKEE Service Station. If inspection shows that the trouble is caused by defective workmanship or material, all repairs will be made without charge and the tool will be returned, transportation prepaid.

This warranty does not apply where: (1) repairs or attempted repairs have been made by persons other than Factory, Branch or Authorized Service Station personnel; (2) repairs are required because of normal wear; (3) the tool has been abused or involved in an accident; (4) misuse is evident such as caused by overloading the tool beyond its rated capacity; (5) use of tool after partial failure or (6) use of tool with improper accessory. No other warranty written or verbal, is authorized.

NOTE: The above warranty has been drafted to comply with the new Federal law applicable to products manufactured after July 4, 1975. It replaces any previous warranty or guarantee published or included elsewhere. This warranty in no manner reduces the previous coverage provided to you under the warranty or guarantee policies of Milwaukee Electric Tool Corporation.

GENERAL INFORMATION: The Milwaukee Electric Tool Corporation reserves the right to make any changes in or improvements on its products without incurring any liability or obligation whatever and without being required to make any corresponding changes or improvements in products previously manufactured or sold.

MILWAUKEE MOTORS: All Milwaukee motors are universal type which will run equally well on DC or AC (25 to 60 Hz) except those used on Bench Grinders, Water Pumps and Vacuum Pumps. Tools with switches or controls requiring AC operation are indicated as "AC" or "AC Only."

INSTRUCTIONS: An instruction booklet is furnished with each MILWAUKEE Electric Tool. Please read it carefully for best care and performance. **IMPORTANT** — Pay particular attention to all safety precautionary measures before operating any power tool.

EXTENSION CORDS Heavy-Duty, Three Wire, All Weather cord remains flexible at temperatures as low as minus 40°F. Withstands sun, rain or snow. Resists oil, grease and most chemicals.



CATALOG NUMBER	LGTH.	GA.
48-76-0130	25'	16
48-76-0140	50'	16
48-76-0150	25'	14
48-76-0160	50'	14

EXTENSION CABLE CHART

When an extension cord is used, it should always be a 3 wire cord to permit proper grounding of the tool. As the distance from the supply outlet increases, heavier gauge extensions are required. The use of extension cords of inadequate size wire causes a serious drop in voltage, loss of power and possible motor damage. This table is based on limiting line voltage drop to 5 volts at 150% of rated amperes.

Ampere rating (on Nameplate)	0- 2,00	2,10- 3,4	3,5- 5,00	5,10- 7,0	7,10- 12,0	12,1- 16,0	
Ext. Cable Length	Wire Size						
25 Ft.	18	18	18	18	16	14	Not normally available as flexible extension cord.
50 Ft.	18	18	18	16	14	12	
75 Ft.	18	18	16	14	12	10	
100 Ft.	18	16	14	12	10	8	
150 Ft.	16	14	12	12	8	8	
200 Ft.	16	14	12	10	8	6	
300 Ft.	14	12	10	8	6	4	
400 Ft.	12	10	8	6	4	4	
500 Ft.	12	10	8	6	4	2	
600 Ft.	10	8	6	4	2	2	
800 Ft.	10	8	6	4	2	1	
1000 Ft.	8	6	4	2	1	0	

A nation-wide network of FACTORY SERVICE CENTERS and AUTHORIZED SERVICE STATIONS has been established to assure prompt, efficient service. These organizations, staffed with factory trained personnel, are your source for service or MILWAUKEE ELECTRIC TOOL warranty repairs. They carry an adequate stock to supply genuine replacement parts.

FACTORY SERVICE CENTERS

ANAHEIM

1130 North Magnolia Street
Anaheim, California 92801
Phone 714 827-3970
213 624-7615
213 860-0349

ATLANTA

2381 John Glenn Drive
Suite 102
Chamblee, Georgia 30341
Phone (404) 455-7300

BOSTON

143 California Street
Newton, Massachusetts 02158
Phone 617 244-4483

CHICAGO

7315 North Monticello Avenue
Skokie, Illinois 60076
Phone 312 539-9173

CLEVELAND

7600 Wall Street
Cleveland, Ohio 44125
Phone 216 524-8040

DALLAS

7205 Envoy Court
Dallas, Texas 75247
Phone 214 637-4820

DENVER

2620 W. 2nd Avenue
Denver, Colorado 80219
Phone 303 922-1163

DETROIT

999 Troy Court
Troy, Michigan 48084
Phone 313 585-8252

HOUSTON

4801 Katy Freeway
Houston, Texas 77007
Phone 713 861-4671

KANSAS CITY

1506 N. Topping
Kansas City, Missouri 64120
Phone 816 241-7300

MIAMI

8101 N. W. 33rd Street
Miami, Florida 33122
Phone 305 592-0442

MILWAUKEE

4057 North 128th Street
Brookfield, Wisconsin 53005
Phone 414 781-0951

MINNEAPOLIS

2200 West 94th Street
Bloomington, Minnesota 55431
Phone 612 884-7258

NEW YORK

27-07 Brooklyn-Queens
Expressway W.
Woodside, New York 11377
Phone N. Y. 212 721-5151
N. J. 201 622-7752

PHILADELPHIA

388 Reed Road
P. O. Box 224
Broomall, Pennsylvania 19008
Phone 215 544-5544
Philadelphia 215 528-6771

SAN FRANCISCO

329 Littlefield Avenue
S. San Francisco, Calif. 94080
Phone 415 583-8484
San Francisco 415 761-2851

SEATTLE

503 S. Michigan Street
Seattle, Washington 98108
Phone 206 762-8430

AUTHORIZED SERVICE STATIONS

ALABAMA

Power Tool Services, Inc.
1113 4th Avenue South
Birmingham, Alabama 35233

Smith Power Tool Co. Inc.
2503 Commercial Park Drive
Mobile, Alabama 36606

ALASKA

Aero Services Co.
203 Post Road
P. O. Box 1554
Anchorage, Alaska 99501

D & D Industries
3960 S. Cushman
Fairbanks, Alaska 99701

ARIZONA

Glenn's Tool Service
4036 North 13th Way E.
Phoenix, Arizona 85014

Electric Motor Company
1028 East Broadway
Tucson, Arizona 85719

ARKANSAS

Henninger, Inc.
1206 South Main Street
Little Rock, Arkansas 72202

CALIFORNIA

Blackstone Electric Motor Shop
1251 Blackstone Avenue
Fresno, California 93703

Sacramento Industrial Electric Co.
6325 Elvas Avenue
Sacramento, California 95819

Star Tool & Supply Co.
3941 Mason Street
San Diego, California 92110

Precision Mechanical
260 Commercial Street
San Jose, California 95112

CONNECTICUT

Portable Power Tool Repair Co.
447 Arch Street, Rear
New Britain, Connecticut 06051

FLORIDA

Florida Electric Motor Service
1128 Atlanta Avenue
Orlando, Florida 32806

Electrical Repair Co.
1228 East Cass Street
Tampa, Florida 33602

Holland Repair
6410 Norwood Avenue
Jacksonville, Florida 32208

HAWAII

Central Service & Sales, Inc.
687 Auahi Street
Honolulu, Hawaii 96813

IDAHO

K. C. Supply Co.
814 North Manville Street
Boise, Idaho 83704

Wade Tool Service
513 Thain Road
Lewiston, Idaho 83501

ILLINOIS

Couch & Heyle
2500 North Main Street
East Peoria, Illinois 61611

INDIANA

Anderson Brothers Tool Repair
3531 Southeastern Avenue
Indianapolis, Indiana 46203

Ram Supply Co. Inc.
1301 West Franklin Street
Evansville, Indiana 47701

IOWA

Jim's Appliance Service
901 Ninth St., S. W.
Cedar Rapids, Iowa 52404

Five Cities Tool Service, Inc.
921 South Roff
Davenport, Iowa 52802

Electrical Engineering & Equip. Co.
1808 Delaware Street
Des Moines, Iowa 50317

KANSAS

B & B Electric Company
332 Lulu
Wichita, Kansas 67211

KENTUCKY

City Electric Motor Shop
492 East High Street
Lexington, Kentucky 40508

Tool Repair Service
1200 Goss Avenue
Louisville, Kentucky 40217

LOUISIANA

Baton Rouge Electric Motor Service
5409 Evangeline Street
Baton Rouge, Louisiana 70805

Beerman Precision Machine Wks., Inc.
2021 Thalia St. — P. O. Box 53432
New Orleans, Louisiana 70150

MARYLAND

Roland Electric Company
330 West 23rd Street
Baltimore, Maryland 21211

Turner Electric Company
201 Ethan Allen Avenue
Takoma Park, Maryland 20012

MASSACHUSETTS

Reliance Electric Service Company
573 South Canal Street
Holyoke, Massachusetts 01040

MICHIGAN

J. T. Hoeksema Co.
2499 28th Street, S. W.
Grand Rapids, Michigan 49509

MINNESOTA

Horvick Electric Motor Co.
303-307 Main Avenue
Moorhead, Minnesota 56560

MISSISSIPPI

Flannigan Electric Co. Inc.
328 Oakdale Street
Jackson, Mississippi 39204

MISSOURI

P. M. Electric Company, Inc.
5280 Fyler Avenue
St. Louis, Missouri 63139

MONTANA

Electro Service Center
1919 Harve
Missoula, Montana 59801

Mosch Electric Company
326 3rd Avenue, South
Great Falls, Montana 59401

Ted's Electric Service
902 Howard Avenue
Billings, Montana 59102

NEBRASKA

Flohr Electric Service, Inc.
2516 Cumming Street
Omaha, Nebraska 68131

NEW MEXICO

Telco Electric Inc.
2906 4th Street
Albuquerque, New Mexico 87107

NEW YORK

Richter Electric Motor Repair
1559 Niagara Street
Buffalo, New York 14213

Barrett Electric Service Inc.
112 Henry Street
Schenectady, New York 12304

Ramsing Electric Service Co.
125 Charles Avenue (Syracuse)
Solvay, New York 13209

NORTH CAROLINA

Portable Tool Service
3209 Cullman Avenue
Charlotte, North Carolina 28206

OHIO

Cincinnati Electrical Repair Co.
2023 Elm Street
Cincinnati, Ohio 45210

Columbus Electrical Works Co.
777 North Fourth Street
Columbus, Ohio 43215

M & R Electric Motor Service, Inc.
1516 East Fifth Street
Dayton, Ohio 45403

OKLAHOMA

Capitol Electric Motor Repair Inc.
2215 S. W. 11th
Oklahoma City, Oklahoma 73108

Hammond Electric Co.
1510 East Third Street
Tulsa, Oklahoma 74120

OREGON

Keith's Electric Motor Service
678 Olive Street
Eugene, Oregon 97401

Walker Electric Works
206 Northwest 10th Avenue
Portland, Oregon 97209

PENNSYLVANIA

P.T.S. (Power Tool Service)
38 West Allen Street
Mechanicsburg, Pennsylvania 17055

Snyder Electric Company
1500 Chateau Street
Pittsburgh, Pennsylvania 15233

PUERTO RICO

Power Tool Repair Center
Dvarte 166
Hato Rey, Puerto Rico 00917

RHODE ISLAND

Babine Electric Service Inc.
315 Jefferson Boulevard
Warwick, Rhode Island 02888

SOUTH CAROLINA

Mann Electric Repair Co.
2909 Main Street
Columbia, South Carolina 29201

Delta Ind. Electric Co., Inc.
1906 Meeting Street
P. O. Box 622
Charleston, South Carolina 29402

TENNESSEE

Electric Service Company
3914 McCalla Avenue
Knoxville, Tennessee 37914

Southern Electric Co.
812 Porter Street
Memphis, Tennessee 38126

Allied Electric Motor Co., Inc.
939-4th Avenue, S.
Nashville, Tennessee 37210

Dixie Industrial Service, Inc.
2108 East Main Street
Chattanooga, Tennessee 37404

TEXAS

Electric Motor Sales and Service
1514 East Commerce Street
San Antonio, Texas 78205

G. E. Jones Electric Co., Inc.
212 North Polk
Amarillo, Texas 79107

Hamilton Electric Works Inc.
3800 Airport Boulevard
Austin, Texas 78722

Tool House Inc.
1711 Texas Avenue
Lubbock, Texas 79401

UTAH

Diamond Electric Motor Service
1465 South Second West Street
Salt Lake City, Utah 84104

VERMONT

Burlington Rent-All
340 Dorset Street
Burlington, Vermont 05401

VIRGINIA

Bryan Electric Company
424 West 25th Street
Norfolk, Virginia 23517

Lloyd Electric Company, Inc.
521 West Salem Avenue
Roanoke, Virginia 24016

Wingfield & Hundley, Inc.
2403 East Franklin Street
Richmond, Virginia 23205

WASHINGTON

K & N Electric Motors, Inc.
217 West Cataldo
Spokane, Washington 99210

Cooper Electric Motor Service Co.
205 South 4th Avenue
Yakima, Washington 98902

WISCONSIN

Jet Power Tool Repair Inc.
970 Jonathon Drive
Madison, Wisconsin 53713

Power Tool Service Co.
130 North Webster Avenue
Green Bay, Wisconsin 54301



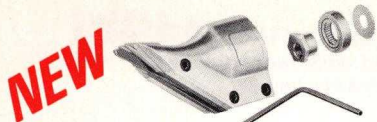
MILWAUKEE ELECTRIC TOOL CORPORATION

MANUFACTURING FACILITIES:

FACTORY AND HOME OFFICE
13135 W. LISBON RD.
BROOKFIELD, WI 53005
PHONE: AREA CODE (414) 781-3600

FACTORY
4355 MILWAUKEE STREET
JACKSON, MISSISSIPPI 39209

CANADIAN SUBSIDIARY
MILWAUKEE ELECTRIC TOOL (CANADA) LTD.
383 MIDWEST RD.
SCARBOROUGH, ONTARIO MIP3A6

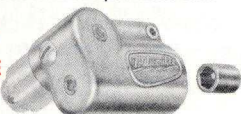


SWIVEL HEAD SHEAR ASSEMBLY

NO. 48-08-0500

Use with MILWAUKEE 1/4" HOLE-SHOOTER Model 0181. See page 62 for complete SHEAR specifications.

RIGHT ANGLE DRIVE UNIT



NO. 48-06-2890

Compact, closely coupled, ideal for drilling in tight spots. Available for Models 0121, 0181, 0191, 0221. Chuck not included.

AUXILIARY SIDE HANDLE



NO. 49-15-0100

SCREW-SHOOTER ACCESSORIES

For use with Trigger Speed Control Drills Nos. 0122-1, 0222-1 and 0102-1.



Bit and Finder 3-1/2" long with 1/4" hex shank for slotted head screws.

SCREW SIZE	CATALOG NUMBER
6F- 8R	48-30-2600
8F-10R	48-30-2625
10F-12R	48-30-2650
12F-14R	48-30-2675
14F-16R	48-30-2700



2" long Bits with 1/4" hex shanks for driving #2 and #3 Phillips screws.

Phillips No. 2	48-30-1520
Phillips No. 3	48-30-1500

RUBBER FLEX KEY HOLDER



NO. 48-66-4040 FOR KEY 48-66-3080
NO. 48-66-4080 FOR KEY 48-66-3200

STEEL CARRYING CASE

NO. 48-55-0710
FOR PISTOL DRILLS AND SCREW-SHOOTERS
OVERALL SIZE 13" LONG, 6" HIGH, 8-1/2" WIDE



LEATHER HOLSTER

NO. 49-17-0200
FOR
PISTOL DRILLS
AND
SCREW-SHOOTERS



PLUG ADAPTER



NO. 48-03-0010

TYPE "A" GREASE

NO. 49-08-0500 1/2 LB. CAN
NO. 49-08-0800 1 LB. CAN

HEAVY-DUTY HOLE-SHOOTERS

ALL BALL AND ROLLER BEARINGS



0101 SINGLE SPEED

0102-1
TRIGGER
SPEED
CONTROL
WITH REVERSING
SWITCH



0121
0141
0181
0191
0221
SINGLE
SPEED

0122-1
0222-1
TRIGGER SPEED CONTROL
WITH REVERSING SWITCH

TRIGGER SPEED CONTROL REVERSING

Squeeze the trigger for the exact speed you need. The further the trigger is depressed, the faster the speed. REVERSING — lever located above trigger lets you change direction with a simple flick of trigger finger.

CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS	AMPS	SPEED (NO LOAD) RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INS.)	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
0101★	1/4	120 AC	3	2500	SINGLE	3/8"-24	48-66-0260	48-66-3200	8-3/8	3-1/2	6
0102-1 REV.★	1/4	120 AC ONLY	3	0-2500	SINGLE	#1 J.T.*	48-66-0230	48-66-3200	8-3/8	3-1/2	6
0121	1/4	120 AC	3.25	2000	DOUBLE	3/8"-24	48-66-0260	48-66-3200	8-3/4	3-3/4	6
0122-1 REV.	1/4	120 AC ONLY	3.25	0-2000	DOUBLE	#1 J.T.*	48-66-0230	48-66-3200	8-3/4	3-3/4	6
0141	1/4	120 AC	3	3500	DOUBLE	3/8"-24	48-66-0260	48-66-3200	8-3/4	3-3/4	6
0181	1/4	120 AC	3.25	2500	DOUBLE	3/8"-24	48-66-0260	48-66-3200	8-3/4	3-3/4	6
0191★	1/4	120 AC	3.25	1700	DOUBLE	3/8"-24	48-66-0260	48-66-3200	8-3/4	3-3/4	6
0221★	3/8	120 AC	3.25	650	DOUBLE	3/8"-24	48-66-0800	48-66-3080	9-1/2	4	7
0222-1 REV.★	3/8	120 AC ONLY	3.25	0-1000	DOUBLE	#2 J.T.*	48-66-0240	48-66-3080	9-1/2	4	7

★ Available in 240 Volts AC Only. Add -3 after Catalog Number when ordering. See price sheet.

* Available in 240 Volts AC. Add -2 after Catalog Number when ordering. See price sheet.

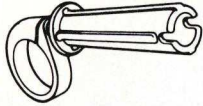
* Jacobs Taper Spindle.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY HOLE-SHOOTERS

HOLE-SHOOTER ACCESSORIES

STEEL CARRYING CASE
NO. 48-55-0085
(Same as furnished with D-Handle Right Angle Drill Kits.)



AUXILIARY SIDE HANDLE
NO. 49-15-0200

TYPE "A" GREASE
NO. 49-08-0500 1/2 LB. CAN
NO. 49-08-0800 1 LB. CAN

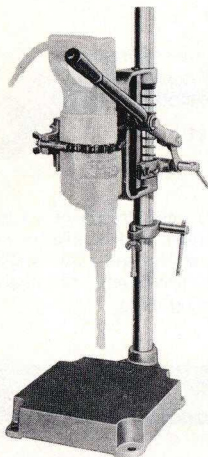
SEE PAGE 6 FOR RIGHT ANGLE DRIVE KITS AND RIGHT ANGLE DRIVE UNITS.

BALL AND ROLLER BEARINGS



0801
0871
1001
1001-1 REV.
1101
1101-1 REV.
1201-1 REV.
1250-1 REV.

All models designed with comfortable, durable glass reinforced nylon handles. Powerful MILWAUKEE-built motors deliver maximum power for the toughest jobs... with speeds and capacities to meet almost any production requirement.



NO. 3500 DRILL STAND FOR D-HANDLE DRILLS

Height of Post 24"
Max. Feed 3-1/2"
Size of Base 8" x 8"
Chuck to Base—Max. 13"
Chuck to Post 5-1/4"
Wgt. Less Drill 21 lbs.
Ship. Weight 25 lbs.

CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS AC	AMPS	SPEED (NO LOAD) RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INS.)	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
0801★	1/4	120	6.2	1800	DbI.	1/2"-20	48-66-0300	48-66-3200	13-1/4	5-3/4	9
0871★	3/8	120	6.2	1350	DbI.	1/2"-20	48-66-0840	48-66-3280	13-7/8	6-1/2	10
1001	1/2	120	4.5	600	DbI.	1/2"-20	48-66-1280	48-66-3280	13-7/8	6-1/4	10
1001-1 REV.	1/2	120	4.5	600	DbI.	1/2"-20	48-66-1360	48-66-3280	14-1/8	6-1/4	10
1101	1/2	120	4.5	500	Trpl.	1/2"-20	48-66-1280	48-66-3280	14-1/4	6-1/2	10
1101-1 REV.★	1/2	120	4.5	500	Trpl.	1/2"-20	48-66-1360	48-66-3280	14-1/8	6-3/4	10-1/2
1201-1 REV.	1/2	120	4.5	350	Trpl.	1/2"-20	48-66-1360	48-66-3280	14-1/8	6-3/4	10-1/2
1250-1 REV.	1/2	120	6.2	950	DbI.	1/2"-20	48-66-1360	48-66-3280	14-1/8	6-1/2	10

NOTE: Abbreviation "Rev." following Catalog Number indicates reversing motor.

★ Available in 240 Volts AC. Add -2 after Catalog Number when ordering. See price sheet.

• Available in 240 Volts AC. Add -3 after Catalog Number when ordering. See price sheet.

STANDARD EQUIPMENT: All models—side handle and rubber flex key holder.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

RIGHT ANGLE DRILL KITS/UNITS

PLUMBERS KITS

NO. 3102 Kit contains NO. 1101, 500 RPM Heavy-Duty 1/2" drill and NO. 48-06-2870 Right Angle Drive, wrench, chuck remover bar, side handle and steel carrying case.

NO. 3102-1 Same as above except with NO. 1101-1, 500 RPM Heavy-Duty 1/2" reversing drill and NO. 48-06-2871 reversing Right Angle Drive.

NO. 3202-1 Same as above except NO. 1201-1, 350 RPM Heavy-Duty 1/2" reversing drill and NO. 48-06-2871 reversing Right Angle Drive.

ELECTRICIANS KIT

NO. 3002-1 Kit contains NO. 1001-1, 600 RPM Heavy-Duty 1/2" reversing drill and NO. 48-06-2871 reversing Right Angle Drive, wrench, chuck remover bar, side handle and steel carrying case.

See preceding page for specifications on 1/2" Hole-Shooters included in these kits.

RAD UNIT SPEEDS

RIGHT ANGLE DRILL KIT CATALOG NO.	DRILL CATALOG NO.	RPM DRILL ONLY	RPM WITH RAD		SH.P. WEIGHT LBS.
			LOW SIDE	HIGH SIDE	
	0801	1800	1200	2700	9
	0871	1350	900	2025	10
	1001	600	400	900	10
3002-1	1001-1 REV.	600	400	900	21
3102	1101	500	335	750	21
3102-1	1101-1 REV.	500	335	750	21
3202-1	1201-1 REV.	350	230	525	21
	1250-1 REV.	950	630	1425	10

NOTE: Abbreviation "Rev." following Catalog No. indicates reversing motor.



1/2" DRILL WITH RIGHT ANGLE DRIVE
Head and handle swivel 360° and can be locked tight in any position.



RIGHT ANGLE DRIVE UNIT

Used extensively for drilling between joists, studding, in tight corners or in close quarters on machinery equipment. Provides two additional drilling speeds. Chuck transferred from drill to LOW spindle of right angle unit reduces drills normal speed by 1/3 and increases drilling torque by 50%. Chuck transferred to opposite spindle of right angle unit increases speed by 50%.

NO. 48-06-2870 For drills with non-reversing motors. Drill or chuck not included. Net Wgt. 2 lbs. Shp. Wgt. 3 lbs.

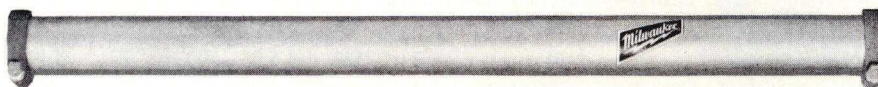
NO. 48-06-2871 For drills with reversing motors.



NO. 48-06-2860 33° ANGLE DRIVE KIT

FOR DRILL MODELS 1001-1, 1101, 1101-1, 1201-1, 1250-1

Stretches drilling reach up to 30 inches. Permits easy drilling of up to 2-9/16" dia. holes. Kit consists of an extension tube, side handle, drive shaft with hex sockets on both ends, two clamping collars and a 33° Angle Drive unit. Use 33° Angle Drive with the 30" extension only. 33° angle units operate at the same speed as the drill powering them.



NO. 48-95-0400 30" EXTENSION

30" extension available separately for use with MILWAUKEE RAD units NOS. 48-06-2870 and 48-06-2871. Unit comes complete with 30" extension tube, drive shaft with hex socket on both ends and two clamping collars. Purchase RAD unit separately.

TYPE "A" GREASE

NO. 49-08-0500 1/2 Lb. Can
NO. 49-08-0800 1 Lb. Can

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

STEEL CARRYING CASE NO. 48-55-0085

For D-Handle Right Angle Drills.
When ordered separately.





ALL BALL AND
ROLLER BEARINGS

HEAVY-DUTY HOLE HAWGS

2 MODELS

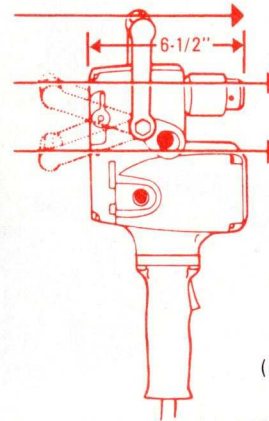
SINGLE SPEED
900 RPM

TWO SPEED
1200 and
300 RPM

BOTH MODELS WITH REVERSING MOTOR

Compact design for drilling between studs and joists. Power and torque to handle up to 4-5/8" Selfeed Bits. All models have .75 H.P*, triple reduction gearing, ball and roller bearings and weigh only 10-1/2 lbs.

* Maximum tool power output.



FUNCTIONAL DESIGN

*Puts force in line
with chuck*

2 POSITION PIPE HANDLE

3 POSITION SPADE HANDLE

2 SPEED GEAR SHIFT

(Models 1675-1 Rev. and 1676-1 Rev.)

EXTERNAL BRUSH CAPS



STEEL CARRYING CASE
(When ordered separately)
NO. 48-55-0110

TYPE "C" GREASE
1 lb. can
NO. 49-08-1000

CATALOG NUMBER	SPEED	NO LOAD RPM	CAPACITY				VOLTS AC	AMPS	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	NET WGT. LBS.	SHP. WGT. LBS.	
			WOOD			STEEL									
			WITH AUGER BIT	WITH SHIP AUGER BIT	WITH SELFEE BIT										
1670-1 REV.	Single	900	1-1/2"	1-1/2"	2-9/16"	7/16"	115	7.5	Trpl.	5/8"-16	48-66-1380	48-66-3280	10-1/2	16	
1675-1 REV.	High	1200	1-1/8"	1-1/4"	1-3/8"	5/16"	115	7.5	Trpl.	5/8"-16	48-66-1380	48-66-3280	10-1/2	16	
	Low	300	1-1/2"	1-1/2"	4-5/8"	1/2"									
1676-1 REV.							Same as 1675-1 but with steel carrying case							24	

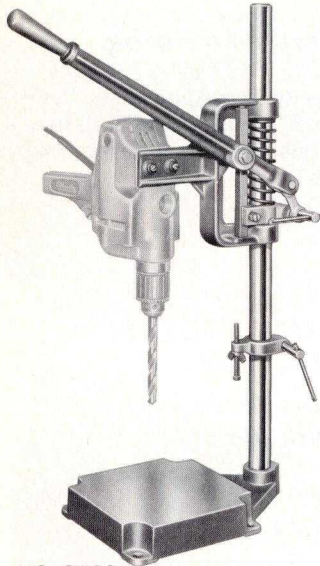
MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY SUPER HOLE-SHOOTERS

BALL AND ROLLER BEARINGS

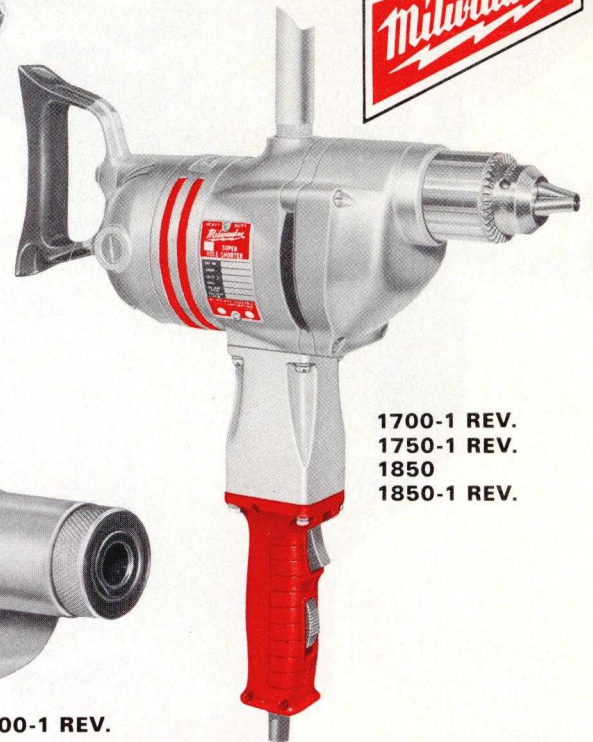


1600
1600-1 REV.
1620-1 REV.
1650
1650-1 REV.



**NO. 3520
DRILL STAND FOR
1600 SERIES DRILLS**

Height of Post	29-1/2"
Max. Feed	3-1/2"
Size of Base	8" x 8"
Chuck to Base — Max.	16"
Chuck to Post	6-3/8"
Wgt. Less Drill	23 lbs.
Ship. Weight	25 lbs.



1700-1 REV.
1750-1 REV.
1850
1850-1 REV.



2400-1 REV.

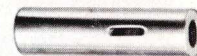
1-1/4" CAPACITY SUPER HOLE-SHOOTER

MILWAUKEE'S largest and most powerful Drill. Extra long switch handle and pipe handle afford maximum leverage for drilling or reaming large holes. Triple reduction, helical gearing transmits tremendous torque. Furnished with No. 3 Internal Morse Taper Socket.

TYPE "A" GREASE

NO. 49-08-0500 1/2 Lb. Can
NO. 49-08-0800 1 Lb. Can

MORSE TAPER SOCKETS



MORSE TAPER SOCKETS
Drift Key Included

DRIFT
KEYS

49-66-0600	#2 MT	5/8"-16	48-86-0050
49-66-0700	#3 MT	5/8"-16	48-86-0070

REPLACEMENT CHUCK

CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS	AMPS	SPEED (NO LOAD) RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INS.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
1600	1/2	120	6	600	Dbl.	1/2"-20	48-66-1280	48-66-3280	12-1/4	9-1/2	13
1600-1 REV.★	1/2	120	6	600	Dbl.	5/8"-16	48-66-1380	48-66-3280	12-1/4	9-1/2	13
1620-1 REV.	3/8w1/2 chuck	120	6	+900	Dbl.	5/8"-16	48-66-1380	48-66-3280	12-1/4	9-1/2	13
1650	1/2	120	6	450	Trpl.	1/2"-20	48-66-1280	48-66-3280	12-1/4	9-1/2	13
1650-1 REV.★	1/2	120	6	450	Trpl.	5/8"-16	48-66-1380	48-66-3280	12-1/4	9-1/2	13
1700-1 REV.★	1/2	120	10	600	Dbl.	#6 J.T.*	48-66-1480	48-66-3120	16	14-3/4	21
1750-1 REV.	5/8	120	10	525	Trpl.	#3 J.T.*	48-66-1680	48-66-3120	16-1/2	15-3/4	22
1850	3/4	120	11	400	Trpl.	5/8"-16	48-66-2040	48-66-3160	16-1/2	16-3/4	20
1850-1 REV.★	3/4	120	10	400	Trpl.	#3 J.T.*	48-66-2080	48-66-3160	16-1/2	16-3/4	22
2400-1 REV.★‡	1-1/4	120	10	250	Trpl.	•	—	—	16-3/4	21-1/2	26

★ Available in 240 Volts. Add -3 after Catalog Number when ordering. See price sheet.
"Rev." after Catalog No. indicates reversing type motor.

* Jacobs Taper Spindle.

† For fast, deep hole drilling with auger bits.

• With No. 3 Internal Morse Taper Socket.

‡ To adapt a 3/4" capacity chuck to 2400-1 Drill with No. 3 Internal Morse Taper Socket, specify Chuck Kit No. 49-22-1550. Kit consists of Chuck No. 48-66-2000 and Arbor No. 48-07-0100.

**MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS**

**NO. 3540
DRILL STAND FOR
DRILLS NOS. 1700
AND LARGER**

Height of Post	36"
Max. Feed	5-1/2"
Size of Base	10" x 10"
Chuck to Base — Max.	17-1/2"
Chuck to Post	6-1/2"
Wgt. Less Drill	33 lbs.
Ship. Weight	45 lbs.

12 VOLT HEAVY-DUTY BATTERY POWERED TOOLS

BALL AND ROLLER BEARINGS



NO. 0125
1/4" HOLE SHOOTER

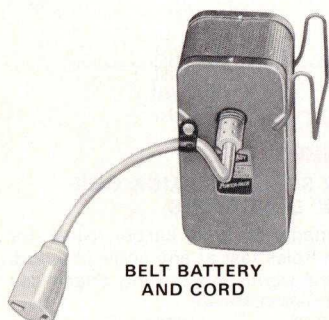
NO. 0225
3/8" HOLE SHOOTER



NO. 1120
1/2" HOLE SHOOTER



CATALOG NUMBER	CAPACITY (INCHES) IN STEEL	VOLTS	AMPS	SPEED (NO LOAD) RPM	GEAR TRAIN	SPINDLE DIAMETER AND THREAD	REPLACEMENT CHUCK CATALOG NO. (CHUCK KEY INCLUDED)	REPLACEMENT CHUCK KEY CATALOG NO.	LENGTH (INS.)	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
0125	1/4	12	15.0	1750	DOUBLE	3/8"-24	48-66-0260	48-66-3200	9-1/2	3-3/4	6
0225	3/8	12	15.0	600	DOUBLE	3/8"-24	48-66-0800	48-66-3080	9-1/2	3-3/4	6
1120	1/2	12	15.5	360	TRIPLE	1/2"-20	48-66-1280	48-66-3280	13-1/4	6-3/4	10



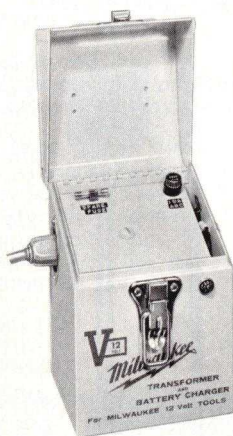
BELT BATTERY AND CORD



CADMIUM BATTERY CHARGER



BATTERY AND CARRYING CASE



TRANSFORMER AND BATTERY CHARGER



6 AMP BATTERY CHARGER

12 VOLT BATTERY POWERED TOOL ACCESSORIES

BELT BATTERY AND CORD (For use with pistol drills only.)

NO. 48-11-0060 10 Volt Nickel-Cadmium Battery (less cord).

Use Adapter Cord NO. 48-76-0090.

NO. 48-76-0090 12" Adapter Cord furnished separately.

CADMIUM BATTERY CHARGER NO. 48-59-0050 For 10 Volt Battery. 14 hour fast charge and 30 hour slow charge. Plug into 115 Volt AC outlet and connect to battery.

BATTERY AND CARRYING CASE The 12 Volt storage battery has a rated capacity of 32 amp. hours. Can be recharged over 400 times. Battery carrying case is wired with outlet for plug-in connection and is used with MILWAUKEE or any 12 Volt battery up to 5-1/4" wide, 7-3/4" high and 9" long.

BATTERY NO. 48-11-0050

CARRYING CASE NO. 48-55-0040

TRANSFORMER AND BATTERY CHARGER NO. 48-55-0035 Converts 115 Volt AC line voltage for Battery Powered Tools. Also recharges 12 Volt batteries. Includes 6 foot cord for connecting to 115 Volt AC outlet and 2 foot 12 Volt cord used between battery charger and outlet on battery carrying case. For charging other 12 Volt batteries the 6 foot cord with battery clips is required.

NEW 6 AMP BATTERY CHARGER NO. 48-59-0100

An economical battery charger for recharging 12 volt batteries at 6 amp. hours. Polarity protected—built-in circuit breaker protects against short circuits and overloads. Completely automatic—charger shuts off when battery reaches charge capacity. Equipped with ammeter to show rate of charge. DC and AC leads, 6' long.

CORDS FOR ABOVE WHEN ORDERED SEPARATELY

NO. 48-76-0080 6' for 115 Volt. **NO. 48-76-0070** 2' for 12 Volt.

NO. 48-76-0060 6' CORD WITH BATTERY CLIPS

For connecting 12 Volt tools to 12 Volt batteries in motor vehicles, boats, mowers, etc. Use two wire, 10 gauge cord with 2 battery clips and female connection.

NO. 48-76-0050 25' EXTENSION CORD

Can be used with these MILWAUKEE accessories: battery case, cord with battery clips or direct to transformer. Two wire, 10 gauge cord with male and female connections.

When ordering tools without the MILWAUKEE Battery carrying case, the 6 foot cord with battery clips is required, NO. 48-76-0060.

TYPE "A" GREASE

NO. 49-08-0500 1/2 Lb. Can **NO. 49-08-0800** 1 Lb. Can

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY DRILL ACCESSORIES

SELFEEB BITS

For big hole drilling in wood. For popular pipe sizes. Feed into work without pressure. 7/16" hex shanks have 3 milled flats for secure chuck grip. Side of bit tapered and beveled for easy removal from hole. Inside cutting plane shaves hole radius. Cuts clean, smooth holes. Sizes 1-3/4" and larger have reversible and replaceable double-end feed screw pilots.



LARGE SELFEEB BITS

Large SELFEEB BITS in 3-5/8" and 4-5/8" sizes have double inside cutter blades and a larger double-end feed screw pilot. Arbors for these 2 sizes can be removed and replaced.



SELFEEB BITS

CATALOG NUMBER	DESCRIPTION	FOR STD. PIPE SIZES
48-25-1120	1-1/8" dia.	1/2"
48-25-1250	1-1/4" dia.	3/4"
48-25-1370	1-3/8" dia.	
48-25-1500	1-1/2" dia.	1"
48-25-1750	1-3/4" dia.	1"
48-25-2120	2-1/8" dia.	1-1/2"
48-25-2250	2-1/4" dia.	
48-25-2560	2-9/16" dia.	2"
48-28-6850	Dble. Feed Screw Pilot	
49-96-0060	Socket Wrench	

LARGE SELFEEB BITS

48-25-3620	3-5/8" dia. •	3" +
48-25-4620	4-5/8" dia. ±	4" +
48-07-0200	Replaceable Arbor	
48-28-6860	Dble. Feed Screw Pilot	
49-96-0070	Socket Wrench	

• For Models 1675-1, 1700-1 and larger
± For Models 1675-1, 1750-1 and larger
† Cast iron or Copper Pipe Size

7/16" HEX EXTENSION SHANKS

For Selffeed Bits and Auger Bits (1" dia. and larger) with 7/16" hex shank.

EXTENSION COUPLING



Require Coupling	LENGTH	CATALOG NO.
48-28-0920	5-1/2"	48-28-3112
	12"	48-28-3115
	18"	48-28-3300

ONE PIECE



No Coupling Required	LENGTH	CATALOG NO.
	18"	48-28-3400
	24"	48-28-3500



AUGER BITS

Sizes from 3/4" to 1-1/2" ... All 4" twist and 6-1/2" long. 7/16" hex shanks for sure chuck grip. Precision made of special bit steel, heat treated and tempered for long life. Feed screw pilot draws bit into wood. Cutting spurs and lips stay sharp longer.

CATALOG NUMBER	DESCRIPTION	FOR STD. PIPE SIZES
48-13-0750	3/4" x 4" Twist	
48-13-0870	7/8" x 4" Twist	3/8"
48-13-1000	1" x 4" Twist	
48-13-1120	1-1/8" x 4" Twist	1/2"
48-13-1250	1-1/4" x 4" Twist	3/4"
48-13-1370	1-3/8" x 4" Twist	
48-13-1500	1-1/2" x 4" Twist	1"

PLUMBERS' BIT KIT

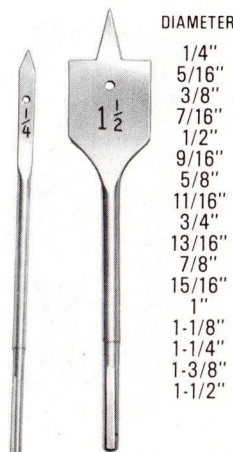
A complete assortment of most commonly used MILWAUKEE Bits for BIG-HOLE drilling. Sizes include 7/8", 1-1/8", 1-1/4", 1-1/2" Auger Bits and the famous MILWAUKEE "Selfeed" Bits in 1-3/4", 2-1/8", and 2-9/16" diameters. Also 5-1/2" hex extension shank and coupling, extra double-end feed screw pilot, socket wrench and steel carrying case. Shipping weight 8-1/2 lbs.

BIT KIT (complete) NO. 49-22-0060
CARRYING CASE only NO. 48-55-0030

FLAT BORING BITS

- 3 MILLED FLATS FOR SECURE CHUCK GRIP
- 1/4" to 1-1/2" DIAMETERS

Flat Boring Bits are precision made of high carbon steel for durability and long life. Bore clean holes fast at any angle in wood, plastic, plywood and formica. Drill point and cutting edges can be resharpened often.



DIAMETER	CATALOG NUMBER	SHANK DIAMETER	OVERALL LENGTH
1/4"	48-27-0251	3/16"	6-1/8"
5/16"	48-27-0311	3/16"	6-1/8"
3/8"	48-27-0371	1/4"	6-1/8"
7/16"	48-27-0441	1/4"	6-1/8"
1/2"	48-27-0501	1/4"	6-1/8"
9/16"	48-27-0561	1/4"	6-1/8"
5/8"	48-27-0621	1/4"	6-1/8"
11/16"	48-27-0681	1/4"	6-1/8"
3/4"	48-27-0751	1/4"	6-1/8"
13/16"	48-27-0811	1/4"	6-1/8"
7/8"	48-27-0871	1/4"	6-1/8"
15/16"	48-27-0941	1/4"	6-1/8"
1"	48-27-1001	1/4"	6-1/8"
1-1/8"	48-27-1121	1/4"	6-3/4"
1-1/4"	48-27-1251	1/4"	6-3/4"
1-3/8"	48-27-1371	1/4"	6-3/4"
1-1/2"	48-27-1501	1/4"	6-3/4"

CHUCKS



INDUSTRIAL CHUCKS

Chuck Key Included

CHUCK KEYS

CATALOG NUMBER

CATALOG NUMBER	CAPACITY	THREAD SIZE	CATALOG NUMBER
48-66-0260	1/4"	3/8"-24	48-66-3200
48-66-0300	1/4"	1/2"-20	48-66-3200
48-66-0500	5/16"	3/8"-24	48-66-3240
48-66-0540	5/16"	1/2"-20	48-66-3240
48-66-0800	3/8"	3/8"-24	48-66-3080
48-66-0810	3/8"	3/8"-24	48-66-3240
48-66-0840	3/8"	1/2"-20	48-66-3280
48-66-0880	3/8"	5/8"-16	48-66-3280
48-66-1280	1/2"	1/2"-20	48-66-3280
48-66-1440	1/2"	5/8"-16	48-66-3120
48-66-1640	5/8"	5/8"-16	48-66-3120
48-66-2040	3/4"	5/8"-16	48-66-3160
48-66-2050	3/4"	3/4"-16	48-66-3160

CHUCKS FOR REVERSING DRILLS (Chuck Key Included)

48-66-0230•	1/4"	#1 Taper	48-66-3200
48-66-0240•	3/8"	#2 Taper	48-66-3080
48-66-1360	1/2"	1/2"-20	48-66-3280
48-66-1380	1/2"	5/8"-16	48-66-3280
48-66-1480	1/2"	#6 Taper	48-66-3120
48-66-1680	5/8"	#3 Taper	48-66-3120
48-66-2000	3/4"	#3 Taper	48-66-3160
48-66-2080	3/4"	#3 Taper	48-66-3160

• Chuck Removal Wedges required (Set of 2)
For 1/4" Drill — #1 Jacobs Taper Catalog No. 49-91-0010
For 3/8" Drill — #2 Jacobs Taper Catalog No. 49-91-0020

FLAT BORING BIT KIT

NO. 49-22-0071

Contains 6 popular size flat boring bits in heavy protective plastic. Assortment includes 3/8", 1/2", 5/8", 3/4", 7/8", and 1" sizes in pockets for orderly storage and easy size selection.



12" FLAT BORING BIT EXTENSION NO. 48-28-3350



HEAVY-DUTY DRILL ACCESSORIES

POWER SHIP AUGER BITS



3/8" SHANK 15" TWIST 18" OVERALL LENGTH

Cut overall cost per hole by using these accurately machined 3/8" shank ship auger bits. A tough fast-cutting shiphead plus precision hardened cutting edges require less frequent resharpening. For 3/8" D-Handle drills and larger, also fits hand braces.

DIAMETER	CATALOG NUMBER
9/16"	48-13-0561
5/8"	48-13-0621
11/16"	48-13-0681
3/4"	48-13-0751
13/16"	48-13-0811
7/8"	48-13-0871
15/16"	48-13-0931
1"	48-13-1001



1/2" SHANK 4" TWIST 6" OVERALL LENGTH

Precision machined for smooth wobble free boring. Use with 1/2" D-Handle drills and larger.

11/16"	48-13-0683
3/4"	48-13-0753
13/16"	48-13-0813
7/8"	48-13-0873
15/16"	48-13-0933
1"	48-13-1003
1-1/16"	48-13-1063
1-1/8"	48-13-1123
1-1/4"	48-13-1253
1-3/8"	48-13-1373
1-1/2"	48-13-1503

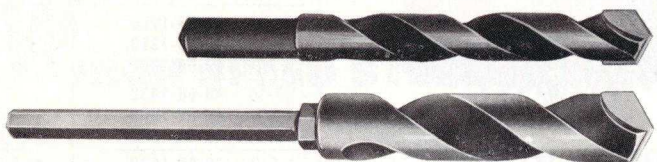


1/2" SHANK 15" TWIST 18" OVERALL LENGTH

For all types of construction. Accurately machined for tough deep hole boring in wood. Use with 1/2" Hole-Shooters or larger. Feed screw point, one cutting edge and side lip produce fast cutting.

9/16"	48-13-5560
5/8"	48-13-5620
11/16"	48-13-5680
3/4"	48-13-5750
13/16"	48-13-5810
7/8"	48-13-5870
15/16"	48-13-5930
1"	48-13-6000
1-1/16"	48-13-6010
1-1/8"	48-13-6120
1-1/4"	48-13-6250
1-3/8"	48-13-6370
1-1/2"	48-13-6500

CARBIDE-TIP MASONRY BITS BLACK OXIDE FINISH



SPECIAL FEATURES:

- Alloy steel shank for strength and durability
- Shallow precision machined oval flutes prevent dust packing
- Carbide-tip...the hardest metal made...brazed to alloy steel bodies

Drills masonry, brick, stone, plaster, slate. Wide, spiral flutes lift dust out of hole. Bit cuts at maximum efficiency without clogging. Produces clean, accurately sized holes fast. Carbide tip resists dulling. Bits may be resharpened on bench grinder using silicon carbide grinding wheel. Bits in sizes from 1" through 1-1/2" are of two piece design. Shank is 1/2" hex dia. with 1/2"-13 thread...nut serves as bit shoulder.

DIAMETER	CATALOG NUMBER	SHANK DIA.	OVERALL BIT LENGTH
1/8"	48-87-0120	1/8"	3"
5/32"	48-87-0150	5/32"	3"
11/64"	48-87-0170	11/64"	3"
3/16"	48-87-0180	3/16"	3"
7/32"	48-87-0210	1/4"	3"
1/4"	48-87-0250	1/4"	4"
1/4"	48-87-0251*	1/4"	12"
1/4"	48-87-0253	1/4"	6"
9/32"	48-87-0280	1/4"	4"
5/16"	48-87-0310	1/4"	4"
3/8"	48-87-0370	1/4"	4"
7/16"	48-87-0430	1/4"	6"
1/2"	48-87-0500	3/8"	6"
1/2"	48-87-0502*	3/8"	18"
9/16"	48-87-0560	1/2"	6"
5/8"	48-87-0620	1/2"	6"
11/16"	48-87-0680	1/2"	6"
3/4"	48-87-0750	1/2"	6"
7/8"	48-87-0870	1/2"	6"
1"	48-87-1000	1/2"	10"
1-1/8"	48-87-1120	1/2"	10"
1-1/4"	48-87-1250	1/2"	10"
1-1/2"	48-87-1500	1/2"	10"

* Extra length bit.

EXTRA LENGTH BIT



Narrow lands and fast spiral for rapid dust removal.

EXTENSION SHANKS FOR MASONRY BITS



1/2"-13 THREAD 1/2" HEX SHANK

For two piece design bits from 1" thru 1-1/2" dia. only.

LENGTH	CATALOG NUMBER
6"	48-28-8060
12"	48-28-8070
18"	48-28-8080
24"	48-28-8090
30"	48-28-8100
36"	48-28-8110



HEAVY-DUTY HOLE SAWS

3 TYPES — ALL SHATTER RESISTANT

MILWAUKEE Hole Saws provide an economical means of extending the useful range of portable drills, drill presses and lathes. High speed cutting edges welded to steel bodies produce clean, accurate holes. Shatter-resistant construction makes them safe to use and provides an extra margin of durability.

CARBIDE-TIPPED DEEP CUTTING

New MILWAUKEE deep cutting, carbide-tipped Hole Saws are the fastest cutting carbide-tipped saws on the market. Longer life and faster cutting mean greater savings. **Not recommended for metal.**

- CUTS CERAMIC TILE
- FLAKEBOARD
- FIBERBOARD



CARBIDE-TIPPED DEEP CUTTING CUT TO 1-3/4" DEPTH

HOLE DIA. SIZE	CATALOG NUMBER	USE WITH ARBOR NO.	PIPE ENTRANCE SIZE	FOR COPPER PIPE SIZE (I. D.)
3/4"	49-56-0753	49-56-6950 OR 49-56-7000	1/2"	5/8"
7/8"	49-56-0873			3/4"
1"	49-56-1003			3/4"
1-1/8"	49-56-1123		3/4"	3/4"
1-1/4"	49-56-1253	49-56-7055 OR 49-56-7100	1-1/4"	1"
1-3/8"	49-56-1373			1-1/4"
1-1/2"	49-56-1503			1-1/4"
1-3/4"	49-56-1753		1-1/4"	1-1/2"
2"	49-56-2003	49-56-7055 OR 49-56-7100	1-1/2"	2"
2-1/4"	49-56-2253			2"
2-1/2"	49-56-2503			2"
3"	49-56-3003		2-1/2"	2-1/2"
3-1/2"	49-56-3503	49-56-7100	4"	3"
4-1/4"	49-56-4253			4"

DEEP CUTTING AND STANDARD

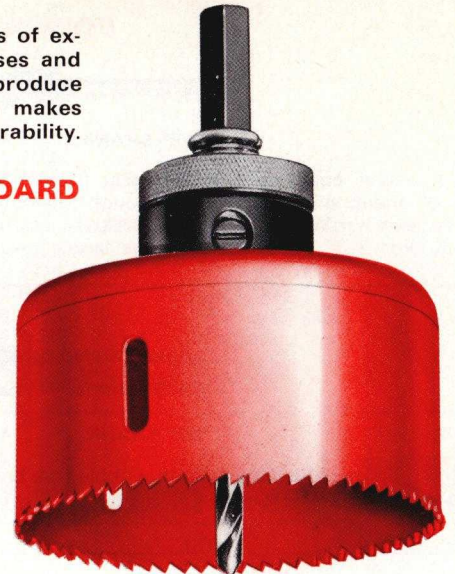
MILWAUKEE high speed steel Hole Saws are high production tools designed for cutting all machineable materials, including steel, aluminum, copper, brass, sheet metal, stainless steel, wood or plastics. Available in deep cutting and standard depth versions.



DEEP CUTTING CUT TO 1-3/4" DEPTH

HOLE DIA. SIZE	CATALOG NUMBER	USE WITH ARBOR NO.	PIPE ENTRANCE SIZE	FOR COPPER PIPE SIZE (I. D.)
7/8"	49-56-0871	49-56-6950 OR 49-56-7000	1/2"	5/8"
1"	49-56-1001			3/4"
1-1/8"	49-56-1121		3/4"	3/4"
1-1/4"	49-56-1251	49-56-7055 OR 49-56-7100	1-1/4"	1"
1-3/8"	49-56-1371			1-1/4"
1-1/2"	49-56-1501			1-1/4"
1-3/4"	49-56-1751		1-1/4"	1-1/2"
2"	49-56-2001	49-56-7055 OR 49-56-7100	1-1/2"	2"
2-1/4"	49-56-2251			2"
2-1/2"	49-56-2501			2"
3"	49-56-3001		2-1/2"	2-1/2"
3-3/8"	49-56-3371	49-56-7100	4"	3"
4-1/4"	49-56-4251			4"

SEE PAGE 13 FOR ARBORS. ORDER ARBORS SEPARATELY.



STANDARD CUT TO 1-1/4" DEPTH

HOLE DIA. SIZE	CATALOG NUMBER	USE WITH ARBOR NO.	PIPE TAP	PIPE ENTRANCE	FOR COPPER PIPE SIZE (I. D.)
9/16"	49-56-0560	49-56-6950 OR 49-56-7000	3/4"	1/2"	1/8"
5/8"	49-56-0620				1/4"
11/16"	49-56-0680				3/8"
3/4"	49-56-0750				1/2"
13/16"	49-56-0810	49-56-6950 OR 49-56-7000	3/4"	1/2"	1/2"
7/8"	49-56-0870				5/8"
15/16"	49-56-0930				3/4"
1"	49-56-1000				3/4"
1-1/16"	49-56-1060	49-56-6950 OR 49-56-7000	1"	3/4"	3/4"
1-1/8"	49-56-1120				3/4"
1-3/16"	49-56-1180				3/4"
1-1/4"	49-56-1250				1"
1-5/16"	49-56-1310	49-56-6950 OR 49-56-7000	1"	1-1/4"	1"
1-3/8"	49-56-1370				1"
1-7/16"	49-56-1430				1-1/4"
1-1/2"	49-56-1500				1-1/4"
1-9/16"	49-56-1560	49-56-6950 OR 49-56-7000	1-1/4"	1-1/4"	1-1/4"
1-5/8"	49-56-1620				1-1/4"
1-11/16"	49-56-1680				1-1/4"
1-3/4"	49-56-1750				1-1/2"
1-13/16"	49-56-1810	49-56-6950 OR 49-56-7000	1-1/2"	1-1/2"	1-1/2"
1-7/8"	49-56-1870				1-1/2"
2"	49-56-2000				1-1/2"
2-1/16"	49-56-2060				2"
2-1/8"	49-56-2120	49-56-6950 OR 49-56-7000	2-1/2"	2-1/2"	2"
2-1/4"	49-56-2250				2"
2-5/16"	49-56-2310				2"
2-3/8"	49-56-2370				2"
2-1/2"	49-56-2500	49-56-6950 OR 49-56-7000	2-1/2"	2-1/2"	2"
2-9/16"	49-56-2560				2-1/2"
2-5/8"	49-56-2620				2-1/2"
2-3/4"	49-56-2750				2-1/2"
2-7/8"	49-56-2870	49-56-6950 OR 49-56-7000	3"	3-1/2"	2-1/2"
3"	49-56-3000				2-1/2"
3-1/8"	49-56-3120				3"
3-1/4"	49-56-3250				3"
3-3/8"	49-56-3370	49-56-6950 OR 49-56-7000	3-1/2"	3-1/2"	3-1/2"
3-1/2"	49-56-3500				3-1/2"
3-5/8"	49-56-3620				3-1/2"
3-3/4"	49-56-3750				3-1/2"
3-7/8"	49-56-3870	49-56-6950 OR 49-56-7000	4"	4"	4"
4"	49-56-4000				4"
4-1/8"	49-56-4120				4"
4-1/4"	49-56-4250				4"
4-3/8"	49-56-4370	49-56-6950 OR 49-56-7000	4"	4"	4"
4-1/2"	49-56-4500				4"
4-3/4"	49-56-4750				4"
5"	49-56-5000				5"
5-1/2"	49-56-5500	49-56-6950 OR 49-56-7000	5"	5"	5"
6"	49-56-6000				5"

SEE PAGE 13 FOR ARBORS. ORDER ARBORS SEPARATELY.

HEAVY-DUTY HOLE SAW ACCESSORIES



HOLE SAW ARBOR

1/4" ROUND SHANK NO. 49-56-6950
With 1/2"-20 thread and 1/4" pilot drill.
For small Hole Saws. (See table.)



HOLE SAW ARBOR

7/16" HEX SHANK NO. 49-56-7000
With 1/2"-20 thread and 1/4" pilot drill.
For 9/16" to 1-3/16" Hole Saws.
(See table.)



HOLE SAW ARBORS QUICK CHANGE

7/16" HEX SHANK NO. 49-56-7055
With 5/8"-18 thread and 1/4" pilot drill.
For 1-1/4" and larger Hole Saws.

5/8" HEX SHANK NO. 49-56-7100
With 5/8"-18 thread and 1/4" pilot drill.
Recommended for 4" and larger Hole Saws.

**ARBORS AND HOLE SAWS
ARE INTERCHANGEABLE
WITH MOST OTHER BRANDS**



PILOT DRILLS

NO. 49-56-8000 1/4" High Speed Pilot Drill. For use with Hole Saw arbors.

NO. 49-56-8002 1/4" High Speed Pilot Drill with 1/4" fluting for light gauge metals.

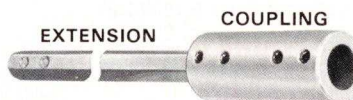


CARBIDE-TIPPED PILOT DRILL

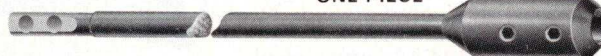
NO. 49-56-8005 1/4" Carbide-Tipped Pilot Drill. For use with carbide tip Hole Saws when drilling ceramic tile.

EXTENSION SHANKS

For 7/16" hex shank arbors...1" dia. Hole Saws and larger.



ONE PIECE



	LENGTH	CATALOG NUMBER
Require	5-1/2"	48-28-3112
Coupling	12"	48-28-3115
48-28-0920	18"	48-28-3300
No Coupling	18"	48-28-3400
Required	24"	48-28-3500



HOLE SAW KITS

STANDARD HOLE SAW KIT

NO. 49-22-4050 Consists of 7/8", 1-1/8", 1-1/2", 1-3/4", 2", 2-1/2" sizes, Arbor Nos. 49-56-(7000 and 7055) and steel case.



DEEP CUTTING HOLE SAW KIT

NO. 49-22-4060 Consists of 1", 1-1/4", 1-1/2", 1-3/4", 2-1/4", 3", 3-3/8" sizes, Arbor Nos. 49-56-(7000 and 7055) and steel case.

STEEL CASE ONLY NO. 48-55-0760 Used with either of above kits.

NEW

HIGH SPEED STEEL JOBBERS LENGTH TWIST DRILLS

HIGH SPEED STEEL TWIST DRILLS

SOLD ONLY IN
PACKAGES OF 12 AND 6

CATALOG NUMBER (PACKAGE)	SIZE	QUANTITY PER PACKAGE
48-89-0062	1/16	12
48-89-0078	5/64	12
48-89-0093	3/32	12
48-89-0109	7/64	12
48-89-0125	1/8	12
48-89-0140	9/64	12
48-89-0156	5/32	12
48-89-0171	11/64	12
48-89-0187	3/16	12
48-89-0203	13/64	12
48-89-0218	7/32	12
48-89-0234	15/64	12
48-89-0250	1/4	12
48-89-0265	17/64	12
48-89-0281	9/32	12
48-89-0296	19/64	12
48-89-0312	5/16	6
48-89-0328	21/64	6
48-89-0343	11/32	6
48-89-0359	23/64	6
48-89-0375	3/8	6
48-89-0390	25/64	6
48-89-0406	13/32	6
48-89-0421	27/64	6
48-89-0437	7/16	6
48-89-0453	29/64	6
48-89-0468	15/32	6
48-89-0484	31/64	6
48-89-0500	1/2	6

29 PIECE SET

CATALOG NO.

48-89-0010

Sizes 1/16" to 1/2"
by 64ths.

15 PIECE SET

CATALOG NO.

48-89-0020

Sizes 1/16" to 1/2"
by 32nds.

13 PIECE SET

CATALOG NO.

48-89-0030

Sizes 1/16" to 1/4"
by 64ths.

• **CONICAL POINT** for easier starting.

• Available in individual sizes in quantities of 12 or 6 (see chart)

3 SETS available in steel "organizer" cases with folding, holding trays which have permanently marked drill sizes.

The design and construction of this drill is the result of continuing tests which assure that it is the ultimate in a general purpose Jobbers' Drill. It has extreme accuracy on all the elements of the most important part of a Twist Drill — the point.

Web centrality, cutting lip heights and lengths, point angle, and lip clearance angle are all held to precise tolerances to insure uniformity.

The 118° point and supplementary treatment makes it suitable for drilling a wide range of materials, including cast and malleable iron, steel and steel forgings.

29 PIECE SET ILLUSTRATED
has three folding, holding trays
15 PIECE SET and 13 PIECE SET
have two folding, holding trays



HEAVY-DUTY DIAMOND DRILLING EQUIPMENT

FOR DIAMOND CORE DRILLING IN CONCRETE • TILE • MASONRY

NOTE

Stands, motors and diamond bits are sold separately. Select a DYMODRILL motor to meet your requirements from page 15. Select DYMOBITS (Diamond Bits) from page 16, 17.



VAC-U-RIG® FEATURES:

• AMMETER

Two color range indicates proper pressure and drilling speed... warns against motor overload.

• BUBBLE LEVEL

Mounted at top of cradle. Base leveling screws provide quick set-up for true drilling.

• ACCURATE MOTOR MOUNTING

Precision machined key-way securely positions DYMODRILL on cradle of VAC-U-RIG®. Assures accurate drilling alignment, stability.

• VACUUM PUMP

3000 lbs. holding force. Versatile mounting bracket attaches to VAC-U-RIG®. Easily removed for horizontal drilling.

• VACUUM PADS

13" diameter pads are cast aluminum with sponge rubber inserts. Vacuum line disconnects provide quick, simple set-up.

• RACK AND PINION FEED

27" travel — 4 spoke wheel control for uniform pressure. Operator feels drilling action of diamond bit.

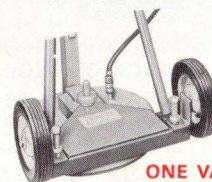
• JACK SCREW

Used with Telescoping Assembly (see page 15) when vacuum is not required. Rig can also be anchor mounted through hole in base.

VAC-U-RIG® NO. 4110

For use with DYMODRILL motors. Includes stand with wheels and jack screw, vacuum pump, 2 vacuum pads, ammeter, bubble level, base leveling screws, cradle for mounting drill motor, four spoke wheel feed control, hose and fittings. Overall height 45". Net weight 139 lbs. Shipping weight 160 lbs. **Less DYMODRILL motor and DYMOBIT (Diamond Bit).**

**15 AMPS
115 VOLTS AC ONLY**

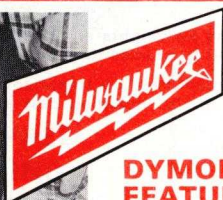


ONE VACUUM PAD ONLY MOUNTED IN CENTER, MAY BE USED FOR MODERATE APPLICATIONS.

VAC-U-RIG® NO. 4111

The same as No. 4110 above, but less all vacuum components. Without vacuum, stand can be mounted to floor or wall with an expansion anchor or braced from the ceiling with telescoping assembly by using the jack screw. Net weight 86 lbs. Shipping weight 104 lbs. **Less DYMODRILL motor and DYMOBIT (Diamond Bit).**

**15 AMPS
115 VOLTS AC ONLY**



DYMORIG FEATURES:

• PORTABILITY

Lightweight cast aluminum base on wheels. Compact design. Drill motor easily removed for quick set-up.

• BASE LEVELING SCREWS

Hole in base for anchor mounting. Base leveling screws and bubble level at top of cradle provide accurate set-up.

• AMMETER

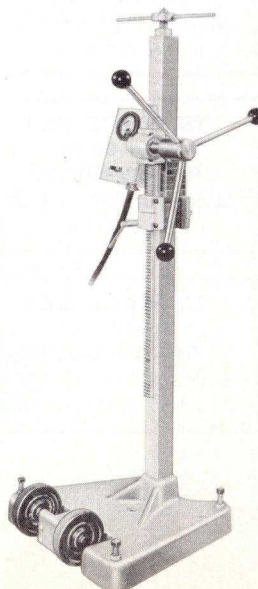
• BUBBLE LEVEL

• JACK SCREW

DYMORIG NO. 4100

For use with DYMODRILL motors (see next page). Rack and pinion feed — 24" 3 spoke feed control for uniform drilling pressure. Two color range ammeter indicates proper pressure and drilling speed — Jack Screw at top for bracing support to ceiling. DYMORIG can be used with VAC-U-RIG® Attachment Kit. See next page. Net weight 65 lbs. Shipping weight 74 lbs. **Less DYMODRILL motor and DYMOBIT (Diamond Bit).**

**15 AMPS
115 VOLTS AC ONLY**



HEAVY-DUTY DYMODRILL EQUIPMENT

FOR USE WITH VAC-U-RIG® AND DYMORIG

SINGLE AND TWO SPEED DYMODRILLS

Triple gear reduction and heavy-duty motor produce high torque. All have heat-treated, helical-cut steel gears, ball and roller bearings, and shear pin at the spindle to protect gears and motor against overload.

CATALOG NUMBER	VOLTS	AMPS	SPEED RPM	SUGGESTED DRILLING CAPACITY	NET WGT. LBS.	SH. WGT. LBS.
SINGLE SPEED						
3940	115	12.5	500	3" TO 5"	20	25
TWO SPEED						
4030	115	12.5	375 750	5" TO 8" 2-1/2" TO 5"	24	32
4035	115	12.5	500 1000	3" TO 5" 1-1/4" TO 3"	24	32

Spindle Thread Size All Models 1-1/4"-7

Capacity ranges listed on specific models are for maximum drilling efficiency. All models can also be used for other diameters. For 9" and 10" diameter holes, use Spacer with Key Catalog No. 49-67-0050 and low speed DYMODRILLS.

STANDARD EQUIPMENT includes built-in water swivel, 8 ft. length of 3/8" heavy-duty rubber water hose complete with fittings and water control valve, extra shear pins, also an open end wrench for removing bits.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

SPACER WITH KEY

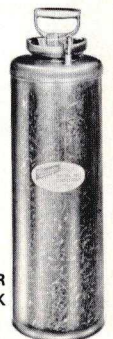
NO. 49-67-0050 Allows use of bits thru 10" diameter. Spacer 1" thick, fits between cradle of Rig and Drill. Four mounting screws included.



TELESCOPING
EXTENSION
ASSEMBLY



WATER COLLECTOR PUMP
WATER COLLECTOR RING
FOR BITS THROUGH 8" DIA.



WATER
TANK

WATER TANK

NO. 49-76-0050 3-1/2 gal. pressure type made of heavy gauge galvanized steel. For use where regular tap water supply is not available. Shp. Wt. 8 lbs.

TELESCOPING EXTENSION ASSEMBLY

NO. 48-95-1000 Braces unit between floor and ceiling for maximum rigidity. Fixed hole adjustments. Assembly adjusts to 14 foot ceilings. Fractional take up between fixed settings made with jack screw at top of DYMORIG. Shp. Wt. 33 lbs.

RUBBER WATER HOSE

NO. 49-18-0050 8' long 3/8" ID as furnished with all DYMODRILLS.

3/16" SOCKET WRENCH

NO. 49-96-0085 For mounting DYMODRILLS to cradle of VAC-U-RIG®

1-3/8" OPEN END WRENCH

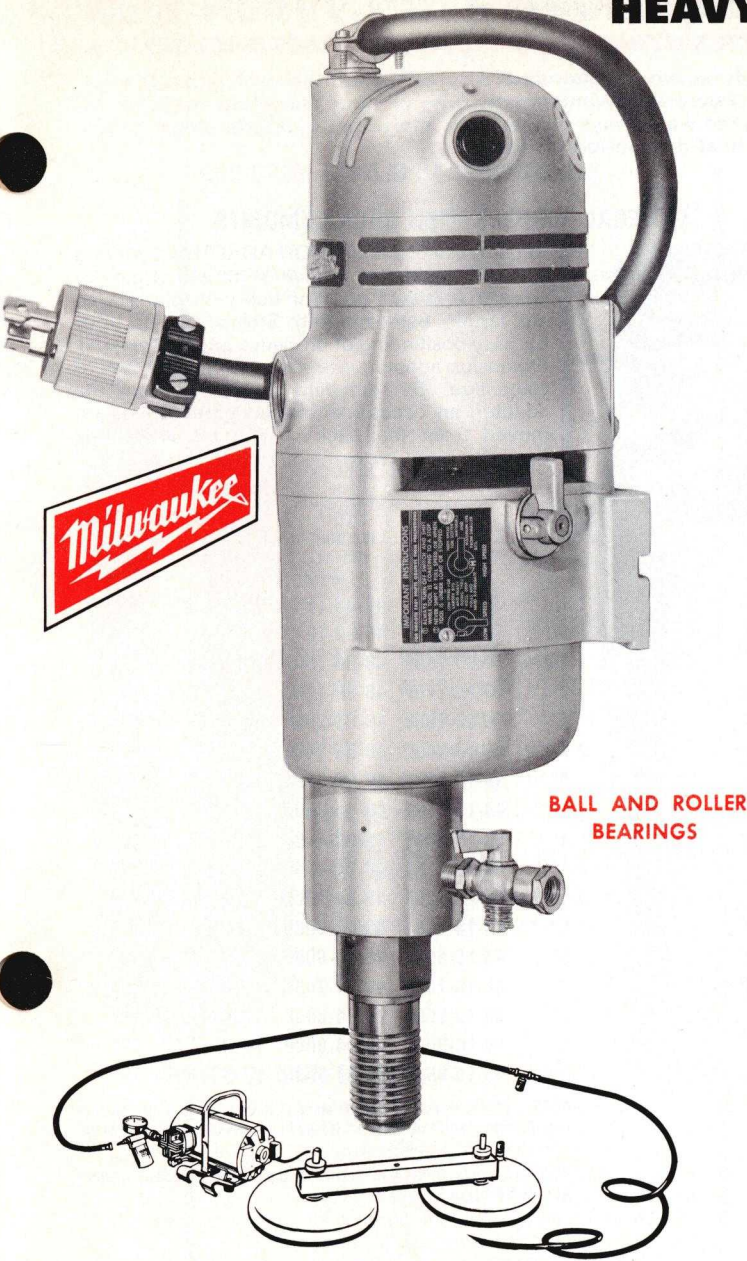
NO. 49-96-4700 For DYMODRILLS listed above.

GREASE TYPE "A" FOR SINGLE SPEED MODEL

NO. 49-08-0500 1/2 Lb. Can
NO. 49-08-0800 1 Lb. Can

GREASE TYPE "C" FOR TWO SPEED MODELS

NO. 49-08-1000 1 Lb. Can



BALL AND ROLLER
BEARINGS

VAC-U-RIG® ATTACHMENT KITS

Complete vacuum assemblies consisting of two 13" diameter suction pads, cross-bar, vacuum pump assembly with switch, gauge, filter, air hose and fittings.

NO. 49-22-7050 for use only with Catalog No. 4100 DYMORIG. Converts to vacuum mounting. Net Wt. 65 lbs. Shp. Wt. 61 lbs.

NO. 49-22-7060 for use with stand only—Catalog No. 4111. Same as furnished as standard with VAC-U-RIG® Catalog No. 4110. Net Wt. 59 lbs. Shp. Wt. 55 lbs.



VACUUM RESERVE TANK

NO. 49-76-0060 Heavy-duty 3-1/2 gallon tank with 2 male disconnects and hose assembly. Prevents excessive water from entering vacuum pump. Maintains limited vacuum reserve in event of power failure. Shp. Wt. 9 lbs.

VACUUM PUMP 115 VOLTS 50-60 Hz AC ONLY

NO. 49-50-0115 Heavy-duty 1/6 H.P. pump complete with vacuum gauge, air filter, switch and cord. Same as furnished with VAC-U-RIG® Net Wt. 25 lbs. Shp. Wt. 27 lbs. Rated at 3.4 amps.

WATER COLLECTOR RING

NO. 48-70-0050 For use where water flow from drilling operation must be trapped and drained. Dike-type collector ring holds water for fast disposal. Used with pump described below. Shp. Wt. 6 lbs.

WATER COLLECTOR PUMP 115 VOLTS 50-60 Hz AC ONLY

NO. 49-50-0050 Small heavy-duty pump of balanced impeller design, driven by an enclosed motor. Pumps out excess trapped water—abrasive-proof and quiet running. Furnished with reinforced plastic flexible hose. Shp. Wt. 12 lbs. Rated at 2.5 amps.

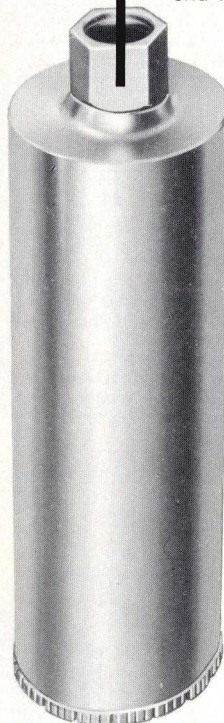
HEAVY-DUTY GENERAL PURPOSE DYMOBITS

AVAILABLE IN OPEN BACK AND SOLID BACK • FOR SIZES OTHER THAN LISTED CONTACT FACTORY

For general core drilling in reinforced concrete, tile, masonry and marble. Diamonds are precisely oriented in the matrix to provide maximum cutting efficiency at minimum cost per foot. Each stone carries its share of the load. Functionally designed waterways properly spaced in the matrix allow water to flush out cuttings and provide heat dissipation for long bit life.

GENERAL PURPOSE SOLID BACK DYMOBITS

The welded adapter is an integral part of the Solid Back Bit. Precision machined and centered, the end of the adapter is threaded and milled flats are provided for easy removal of DYMOBIT from the spindle of Drill with open end wrench.



NOMINAL BIT SIZE O. D.	CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1/4"	48-16-0250	1/2"-20±	4"
1/2"	48-16-0503	5/8"-11±	4"
5/8"	48-16-0623	5/8"-11±	12"
3/4"	48-16-0753	5/8"-11±	12"
7/8"	48-16-0873	5/8"-11±	12"
1"	48-16-1003	5/8"-11±	12"
1-1/4"	48-16-1253	5/8"-11±	12"
1-3/8"	48-16-1373	5/8"-11±	12"
1-1/2"	48-16-1503	5/8"-11±	12"
1-3/4"	48-16-1753	5/8"-11±	12"
2"	48-16-2002	1-1/4"-7	12"
2-1/2"	48-16-2502	1-1/4"-7	12"
2-3/4"	48-16-2752	1-1/4"-7	12"
3"	48-16-3002	1-1/4"-7	12"
3-1/2"	48-16-3502	1-1/4"-7	12"
4"	48-16-4002	1-1/4"-7	12"
4-1/2"	48-16-4502	1-1/4"-7	12"
5"	48-16-5002	1-1/4"-7	12"
6"	48-16-6002	1-1/4"-7	12"
7"	48-16-7001	1-1/4"-7	12"
8"	48-16-8001	1-1/4"-7	12"
9"	48-16-9001	1-1/4"-7	12"
10"	48-16-9501	1-1/4"-7	12"
11"	48-16-9550	1-1/4"-7	12"
12"	48-16-9600	1-1/4"-7	12"
13"	48-16-9650	1-1/4"-7	12"
14"	48-16-9700	1-1/4"-7	12"

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for DYMODRILLS. It may be necessary to use a threaded Adapter to fit Drill spindle.

±When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.

GENERAL PURPOSE OPEN BACK DYMOBITS

Require use of EXPANSION ADAPTER. Split ring expands against bit sleeve as threaded part of adapter is drawn up. For use with bits 1-1/4" and larger. Self-centering, 3 piece friction drive for easy positioning of bit sleeve and bit removal. Expansion adapters are reusable for new bits of same size. By removing the sleeve from the adapter, an occasional lodged core can be removed from the back of the bit preventing damage to the crown.



NOMINAL BIT SIZE O. D.	CATALOG NUMBER	EXPANSION ADAPTER (REQUIRED) CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1-1/4"	48-16-1251	48-04-1253	5/8"-11±	12"
1-3/8"	48-16-1371	48-04-1373	5/8"-11±	12"
1-1/2"	48-16-1501	48-04-1503	5/8"-11±	12"
1-3/4"	48-16-1751	48-04-1750	1-1/4"-7	12"
2"	48-16-2001	48-04-2000	1-1/4"-7	12"
2-1/2"	48-16-2501	48-04-2500	1-1/4"-7	12"
3"	48-16-3001	48-04-3000	1-1/4"-7	12"
3-1/2"	48-16-3501	48-04-3500	1-1/4"-7	12"
4"	48-16-4001	48-04-4000	1-1/4"-7	12"
4-1/4"	48-16-4251	48-04-4250	1-1/4"-7	12"
4-1/2"	48-16-4501	48-04-4500	1-1/4"-7	12"
5"	48-16-5001	48-04-5000	1-1/4"-7	12"
6"	48-16-6001	48-04-6000	1-1/4"-7	12"
7"	48-16-7000	48-04-7000	1-1/4"-7	12"
8"	48-16-8000	48-04-8000	1-1/4"-7	12"
9"	48-16-9000	48-04-9000	1-1/4"-7	12"
10"	48-16-9500	48-04-9500	1-1/4"-7	12"

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for DYMODRILLS. It may be necessary to use a threaded Adapter to fit Drill spindle.

±When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.

HEAVY-DUTY THREADED ADAPTERS AND BIT EXTENSIONS FOR DYMOBITS



THREADED ADAPTERS

NO. 48-04-0150* THREADED ADAPTER reduces thread size of 1-1/4"-7 to 7/8"-14 or 1/2"-20 for old style DYMOBITS.

NO. 48-04-0160* THREADED ADAPTER reduces thread size of 1-1/4"-7 to 5/8"-11 for DYMOBITS and extensions.

NO. 48-04-0170 THREADED ADAPTER reduces 7/8"-14 discontinued drill spindles to 5/8"-11 for 1-3/4" and smaller DYMOBITS.

* Used on DYMODRILLS listed in table on page 15.



BIT EXTENSIONS

NO. 48-95-1500* 9" BIT EXTENSION for DYMOBITS of 1-3/4" diameter and larger. Both ends are threaded 1-1/4"-7. Two or more extensions can be coupled together for deeper hole drilling. 1-3/4" Solid Back bit requires adapter 48-04-0160.

NO. 48-95-2000 10-1/2" BIT EXTENSION use with Threaded Adapter NO. 48-04-0150 for Open Back DYMOBITS in sizes up to 1-1/2" with 1/2"-20 threaded adapters, and Solid Back DYMOBITS in sizes 1-1/4" thru 1-3/4" with 7/8"-14 thread. Extension threads on 7/8"-14 spindle. Outer end is a two-stage spindle with 7/8"-14 and 1/2"-20 threads. Sizes 1" and smaller should not be used with this extension.

NO. 48-95-2100 10-1/2" BIT EXTENSION for 1" to 1-1/2" Open Back DYMOBITS with 5/8"-11 thread and 1" to 1-3/4" Solid Back DYMOBITS with 5/8"-11 thread. Requires NO. 48-04-0160 Thread Adapter.

* Used on DYMODRILLS listed in table on page 15.



NEW HEAVY-DUTY RED CROWN and WHITE CROWN DYMOBITS

AVAILABLE IN OPEN BACK AND SOLID BACK • FOR SIZES OTHER THAN LISTED CONTACT FACTORY

Fast Cutting Impregnated Diamond Bits. Highly concentrated diamonds uniformly distributed throughout a metal bond matrix. For materials such as reinforced concrete containing large amounts of flint, quartz, etc., pre-stressed concrete and other highly abrasive materials.

RED CROWN SOLID BACK DYMOBITS

The welded adapter is an integral part of the Solid Back Bit. Precision machined and centered, the end of the adapter is threaded and milled flats are provided for easy removal of DYMOBIT from the spindle of Drill with open end wrench.



NOMINAL BIT SIZE O. D.	CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1-1/4"	48-16-1257	5/8"-11±	12"
1-1/2"	48-16-1513	5/8"-11±	12"
2"	48-16-2012	1-1/4"-7	12"
2-1/2"	48-16-2512	1-1/4"-7	12"
3"	48-16-3012	1-1/4"-7	12"
4"	48-16-4012	1-1/4"-7	12"
5"	48-16-5012	1-1/4"-7	12"
6"	48-16-6012	1-1/4"-7	12"

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for DYMODRILLS. It may be necessary to use a threaded Adapter to fit Drill spindle.

±When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.

RED CROWN OPEN BACK DYMOBITS

Require use of EXPANSION ADAPTER. Split ring expands against bit sleeve as threaded part of adapter is drawn up. For use with bits 1-1/4" and larger. Self-centering, 3 piece friction drive for easy positioning of bit sleeve and bit removal. Expansion adapters are reusable for new bits of same size. By removing the sleeve from the adapter, an occasional lodged core can be removed from the back of the bit preventing damage to the crown.



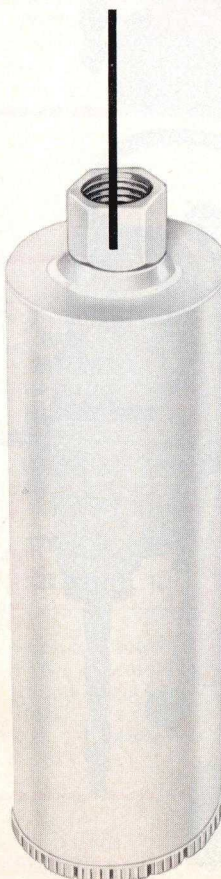
NOMINAL BIT SIZE O. D.	CATALOG NUMBER	EXPANSION ADAPTER (REQUIRED) CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1-1/2"	48-16-1510	48-04-1503	5/8"-11±	12"
1-3/4"	48-16-1780	48-04-1750	1-1/4"-7	12"
2"	48-16-2010	48-04-2000	1-1/4"-7	12"
2-1/2"	48-16-2510	48-04-2500	1-1/4"-7	12"
3"	48-16-3010	48-04-3000	1-1/4"-7	12"
3-1/2"	48-16-3510	48-04-3500	1-1/4"-7	12"
4"	48-16-4010	48-04-4000	1-1/4"-7	12"
5"	48-16-5010	48-04-5000	1-1/4"-7	12"
6"	48-16-6010	48-04-6000	1-1/4"-7	12"

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for DYMODRILLS. It may be necessary to use a threaded Adapter to fit Drill spindle.

±When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.

WHITE CROWN SOLID BACK DYMOBITS

Designed the same as Red Crown Bits but with softer matrix for drilling aged reinforced concrete and other very hard aggregates. The welded adapter is an integral part of the Solid Back Bit. Precision machined and centered, the end of the adapter is threaded and milled flats are provided for easy removal of DYMOBIT from the spindle of Drill with open end wrench.



NOMINAL BIT SIZE O. D.	CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1-1/4"	48-16-1262	5/8"-11±	12"
1-1/2"	48-16-1522	5/8"-11±	12"
2"	48-16-2022	1-1/4"-7	12"
2-1/2"	48-16-2522	1-1/4"-7	12"
3"	48-16-3022	1-1/4"-7	12"
4"	48-16-4022	1-1/4"-7	12"
5"	48-16-5022	1-1/4"-7	12"
6"	48-16-6022	1-1/4"-7	12"

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for DYMODRILLS. It may be necessary to use a threaded Adapter to fit Drill spindle.

±When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.

WHITE CROWN OPEN BACK DYMOBITS

Designed the same as Red Crown Bits but with softer matrix for drilling aged reinforced concrete and other very hard aggregates. Requires the use of an EXPANSION ADAPTER. Split ring expands against bit sleeve as threaded part of adapter is drawn up. For use with bits 1-1/4" and larger. Self-centering, 3 piece friction drive for easy positioning of bit sleeve and bit removal. Expansion adapters are reusable for new bits of same size. By removing the sleeve from the adapter, an occasional lodged core can be removed from the back of the bit preventing damage to the crown.



NOMINAL BIT SIZE O. D.	CATALOG NUMBER	EXPANSION ADAPTER (REQUIRED) CATALOG NUMBER	†THREAD SIZE	MAXIMUM DRILLING DEPTH
1-1/2"	48-16-1521	48-04-1503	5/8"-11±	12"
1-3/4"	48-16-1781	48-04-1750	1-1/4"-7	12"
2"	48-16-2021	48-04-2000	1-1/4"-7	12"
2-1/2"	48-16-2521	48-04-2500	1-1/4"-7	12"
3"	48-16-3021	48-04-3000	1-1/4"-7	12"
3-1/2"	48-16-3521	48-04-3500	1-1/4"-7	12"
4"	48-16-4021	48-04-4000	1-1/4"-7	12"
5"	48-16-5021	48-04-5000	1-1/4"-7	12"
6"	48-16-6021	48-04-6000	1-1/4"-7	12"

†NOTE — Check thread size with spindle thread on Drill or refer to specifications for DYMODRILLS. It may be necessary to use a threaded Adapter to fit Drill spindle.

±When used with Drills with 1-1/4"-7 thread use Threaded Adapter No. 48-04-0160.

HEAVY-DUTY ELECTROMAGNETIC DRILL PRESSES

DRILLING • TAPPING • REAMING
1/2", 3/4", 1-1/4" CAPACITIES

13 Combinations Available:

ORDER STANDS AND DRILLS
SEPARATELY TO MEET YOUR
SPECIFIC REQUIREMENT

Features:

- Use on vertical, horizontal and over-head applications.
- Safety color-coded control panel makes it necessary to push 2 buttons to turn off magnet.
- Balanced . . . will not tip forward when de-energized, even with largest drill motor.
- Single heavy-duty line cord and plug supplies electrical power to stand and drill.
- All drill presses furnished with safety chains.

Drill Motors:

Single speed, MILWAUKEE-built Drills available in 1-1/4", 3/4" and 1/2" capacities at speeds of 350, 400 and 450 RPM respectively. MILWAUKEE-built Two Speed Drills with speeds of 375 and 750 RPM or 250 and 500 RPM. All models furnished with reversing motors.

Accessories:

CONVERSION KITS

Conversion kits are available to convert previous drill motor models to work with the new Magnetic Bases. Conversion kits designed to adapt the new drill motor models to old style stands are also available. See your Milwaukee Service Station for complete information.

6' LENGTH SAFETY CHAIN NO. 48-58-0080

Same as furnished with unit.
(When ordered separately.)

TYPE "A" GREASE FOR SINGLE SPEED NO. 49-08-0500 1/2 Lb. Can NO. 49-08-0800 1 Lb. Can

TYPE "C" GREASE FOR TWO SPEED NO. 49-08-1000 1 Lb. Can



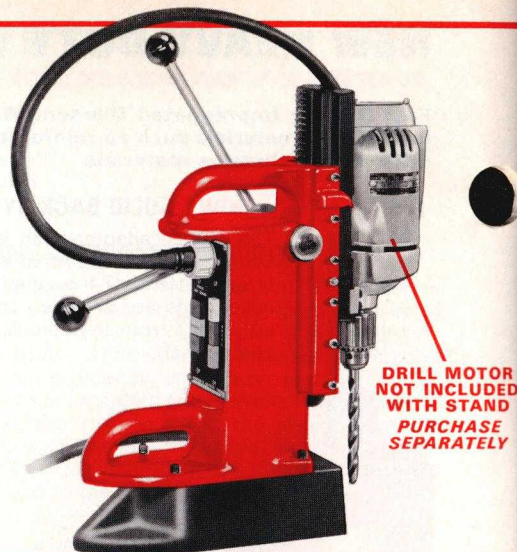
ELECTROMAGNETIC MEDIUM BASE DRILL STAND

CATALOG
NUMBER
4201

120 Volts AC Only 12.5 Amps
Available in 240 Volt AC Only — Add -2 to Cat. No.

SELECT DRILL MOTOR
FROM SPECIFICATION CHART
TO MEET YOUR REQUIREMENTS

- 5 COMBINATIONS AVAILABLE
- 1300 LB. DRILL POINT PRESSURE ON 1" STEEL PLATE
- 9" DRILL TRAVEL



DRILL MOTOR
NOT INCLUDED
WITH STAND
PURCHASE
SEPARATELY

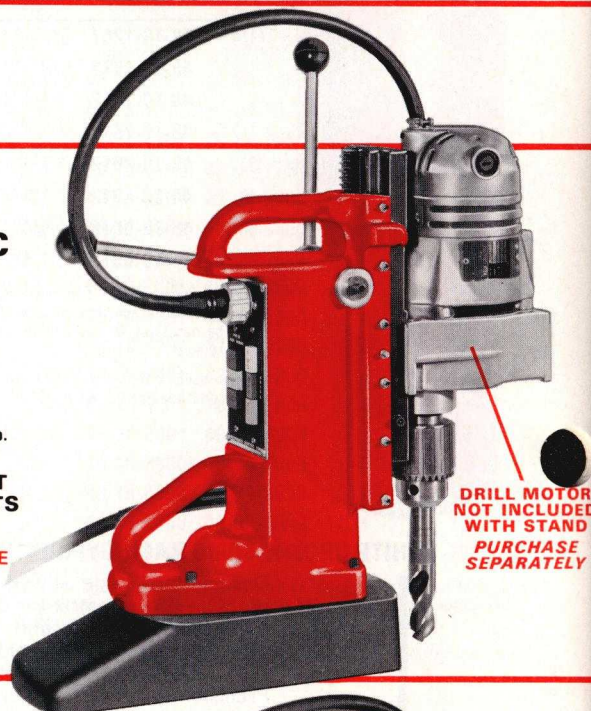
ELECTROMAGNETIC LARGE BASE DRILL STAND

CATALOG
NUMBER
4221

120 Volts AC Only 12.5 Amps
Available in 240 Volt AC Only — Add -2 to Cat. No.

SELECT DRILL MOTOR
FROM SPECIFICATION CHART
TO MEET YOUR REQUIREMENTS

- 4 COMBINATIONS AVAILABLE
- 2000 LB. DRILL POINT PRESSURE ON 1" STEEL PLATE
- 11" DRILL TRAVEL



DRILL MOTOR
NOT INCLUDED
WITH STAND
PURCHASE
SEPARATELY

ELECTROMAGNETIC ADJUSTABLE BASE DRILL STAND

CATALOG
NUMBER
4231

120 Volts AC Only 12.5 Amps
Available in 240 Volt AC Only — Add -2 to Cat. No.

SELECT DRILL MOTOR
FROM SPECIFICATION CHART
TO MEET YOUR REQUIREMENTS

- 4 COMBINATIONS AVAILABLE
- 2000 LB. DRILL POINT PRESSURE ON 1" STEEL PLATE
- 11" DRILL TRAVEL
- ADJUSTABLE FOR 3/4" LATERAL MOVEMENT AND 20° SWIVEL LEFT OR RIGHT



DRILL MOTOR
NOT INCLUDED
WITH STAND
PURCHASE
SEPARATELY

DRILL MOTOR CATALOG NUMBER	VOLTS	AMPS	CAPACITY DRILL TAP	NO LOAD RPM	CHUCK OR TAPER	REPLACE- MENT CHUCK CAT. NO.	REPLACE- MENT CHUCK KEY CAT. NO.	DRILL STAND DIMENSIONS HT. W. L.	DRILL POINT PRESSURE LBS.	NET WGT. STAND ONLY LBS.	COMB. NET WGT. STAND AND DRILL LBS.
4252-1■	120	3.75	1/2" 5/8"-18±	450	Chuck	48-66-1360	48-66-3280	15" 4-1/4" 11"	1300	41	47
4262-1■	120	11.5	3/4" 7/8"-9	400	Chuck	48-66-2080	48-66-3160	15" 4-1/4" 11"	1300	41	60
4282-1■	120	11.5	1-1/4" 7/8"-9	350	No. 3MT	INTERNAL MORSE TAPER SOCKET		15" 4-1/4" 11"	1300	41	59
4292-1■	120	11.5	1-1/4" 7/8"-9	750-375	No. 3MT			15" 4-1/4" 11"	1300	41	63
4297-1■	120	11.5	1-1/4" 7/8"-9	500-250	No. 3MT			15" 4-1/4" 11"	1300	41	63

■ Available in 240 volt, add -3 to catalog number.

* Two speed drills. § Maximum pull on 1" steel plate, less on thinner sheets or irregular surfaces.

● Drills except Nos. 4252-1 and 4282-1 have dual mount gear case permitting reverse mounting of drill for close quarter work.

± 5/8"-11 or 1/2"-13 taps not recommended.

NOTE ... To adapt a 3/4" capacity chuck to 1-1/4" Drills with No. 3 internal Morse Taper Socket, specify Chuck and Arbor Kit No. 49-22-1550.

DRILL MOTOR CATALOG NUMBER	VOLTS	AMPS	CAPACITY DRILL TAP	NO LOAD RPM	CHUCK OR TAPER	REPLACE- MENT CHUCK CAT. NO.	REPLACE- MENT CHUCK KEY CAT. NO.	DRILL STAND DIMENSIONS HT. W. L.	DRILL POINT PRESSURE LBS.	NET WGT. STAND ONLY LBS.	COMB. NET WGT. STAND AND DRILL LBS.
4262-1■	120	11.5	3/4" 7/8"-9	400	Chuck	48-66-2080	48-66-3160	17-1/4" 5-1/4" 14"	2000	58	77
4282-1■	120	11.5	1-1/4" 7/8"-9	350	No. 3MT	INTERNAL MORSE TAPER SOCKET		17-1/4" 5-1/4" 14"	2000	58	76
4292-1■	120	11.5	1-1/4" 7/8"-9	750-375	No. 3MT			17-1/4" 5-1/4" 14"	2000	58	80
4297-1■	120	11.5	1-1/4" 7/8"-9	500-250	No. 3MT			17-1/4" 5-1/4" 14"	2000	58	80

■ Available in 240 volt, add -3 to catalog number.

* Two speed drills. § Maximum pull on 1" steel plate, less on thinner sheets or irregular surfaces.

● Drills except Nos. 4252-1 and 4282-1 have dual mount gear case permitting reverse mounting of drill for close quarter work.

NOTE ... To adapt a 3/4" capacity chuck to 1-1/4" Drills with No. 3 internal Morse Taper Socket, specify Chuck and Arbor Kit No. 49-22-1550.

DRILL MOTOR CATALOG NUMBER	VOLTS	AMPS	CAPACITY DRILL TAP	NO LOAD RPM	CHUCK OR TAPER	REPLACE- MENT CHUCK CAT. NO.	REPLACE- MENT CHUCK KEY CAT. NO.	DRILL STAND DIMENSIONS HT. W. L.	DRILL POINT PRESSURE LBS.	NET WGT. STAND ONLY LBS.	COMB. NET WGT. STAND AND DRILL LBS.
4262-1■	120	11.5	3/4" 7/8"-9	400	Chuck	48-66-2080	48-66-3160	17-1/4" 5-1/4" 14"	2000	60	79
4282-1■	120	11.5	1-1/4" 7/8"-9	350	No. 3MT	INTERNAL MORSE TAPER SOCKET		17-1/4" 5-1/4" 14"	2000	60	78
4292-1■	120	11.5	1-1/4" 7/8"-9	750-375	No. 3MT			17-1/4" 5-1/4" 14"	2000	60	82
4297-1■	120	11.5	1-1/4" 7/8"-9	500-250	No. 3MT			17-1/4" 5-1/4" 14"	2000	60	82

■ Available in 240 volt, add -3 to catalog number.

* Two speed drills. § Maximum pull on 1" steel plate, less on thinner sheets or irregular surfaces.

● Drills except Nos. 4252-1 and 4282-1 have dual mount gear case permitting reverse mounting of drill for close quarter work.

NOTE ... To adapt a 3/4" capacity chuck to 1-1/4" Drills with No. 3 internal Morse Taper Socket, specify Chuck and Arbor Kit No. 49-22-1550.



HEAVY-DUTY VACUUM CLEANERS

OUTSTANDING FEATURES

- **POSITIVE WATER SHUT-OFF**— On wet/dry machines protects motor from direct exposure to water.
- **HEAVY-DUTY FILTER SYSTEM**— For the roughest coarse materials to the finest dust.
- **USE AS BLOWER**— Switch hose from intake to exhaust, for cleaning inaccessible areas.



VACUUM MOTOR DESIGN

Centrifugal blower produces high efficient vacuum and air flow. Models 8911, 8912, 8916, 8925, 8935, 8940, and 8945 have a two-stage bypass motor for wet/dry operation. It provides discharge of vacuum air from the fan case with a separate system for motor cooling. Clean air is drawn into top of motor and discharged through motor housing vents protecting motor from direct exposure to moisture.

NO. 8925



NO. 8912



NO. 8916



GENERAL SPECIFICATIONS

All models are equipped with 1-1/2" O.D. hose connections, cord with 3-prong grounded plug, 3 vinyl covered hold-down clamps and 4-wheel caddy with non-marring wheels.

CATALOG NUMBER	8925	8912	8916
FOR MATERIALS	Wet or Dry	Wet or Dry	Wet or Dry
RECOVERABLE CAPACITY GALLONS	15 Gallons	9 Gallons	9 Gallons
RECOVERABLE CAPACITY BUSHELS	2 Bushels	1-1/2 Bushels	1-1/2 Bushels
TANK	Stainless 16" Dia.	Steel 16" Dia.	Stainless 16" Dia.
VOLTS	120	120	120
AMPS	10	10	7
MOTOR TYPE	2-Stage Bypass Motor	2-Stage Bypass Motor	2-Stage Bypass Motor
MAX. AIR FLOW CU. FT./MIN.	110	110	92
SEALED SUCTION WATERLIFT IN.	105"	105"	85"
OVERALL DIMENSIONS ... WIDTH	19" Width	19" Width	19" Width
OVERALL DIMENSIONS ... HEIGHT	36" High	32" High	32" High
NET WEIGHT	53 Lbs.	49 Lbs.	47 Lbs.
SHIPPING WEIGHT	73 Lbs.	68 Lbs.	65 Lbs.

STANDARD EQUIPMENT

FOR MODELS 8925, 8912, 8916 AND 8911—Three paper filter bags, cloth filter, gasket and wire frame assembly, wet pick-up conversion pan, swivel connector and canvas store-all tool bag.

FOR MODEL 8935—Three paper filter bags, wet pick-up pan, cloth filter, gasket, wire frame assembly, swivel connector, and wire hose carrier.

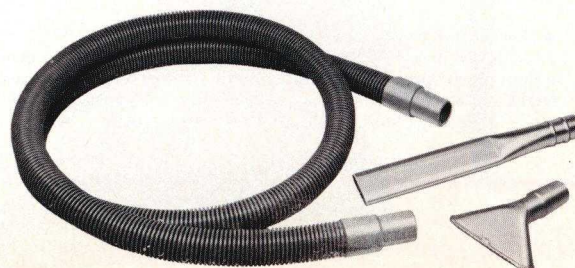
FOR MODEL 8921—Three paper filter bags, cloth filter, gasket, wire frame assembly and swivel connector. Canvas store-all tool bag.

FOR MODEL 8931—Three paper filter bags, cloth filter, gasket, wire frame assembly, swivel connector and hose carrier.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

VACUUM CLEANER ACCESSORIES

AUTOMOTIVE KIT NO. 49-90-1660 A kit especially designed for garages doing automotive work. Kit consists of 1 each of the following: 49-90-0060, 10 ft. hose; 49-90-0400, 15" crevice tool; 49-90-0740, utility nozzle.



**SEE PAGES 22 AND 23
FOR NEW HAND BLOWER,
COMPLETE VACUUM ACCESSORIES,
ALSO MOTOR HEADS AND
DRUM ADAPTER ASSEMBLY**



VACUUM MOTOR DESIGN

Models 8921 and 8931 have a straight-thru motor for dry pick-up. Filters remove dirt from air before reaching the motor. Filtered air is drawn from tank... directed over electrical motor parts for cool efficient operation.

NO. 8911

NO. 8935

NO. 8921

NO. 8931

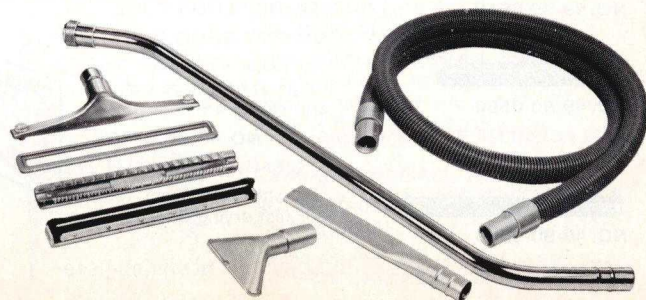
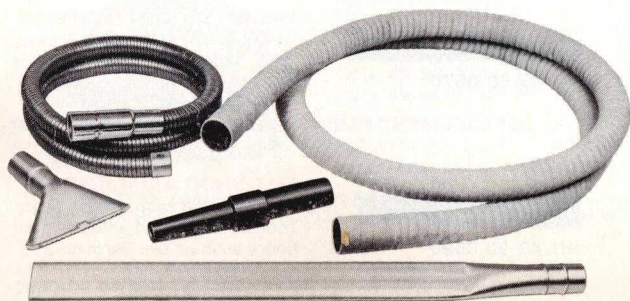


8911	8935	8921	8931
Wet or Dry	Wet or Dry	Dry Only	Dry Only
9 Gallons	4-1/2 Gallons	—	—
1-1/2 Bushels	3/4 Bushels	1-1/2 Bushels	1/2 Bushel
Steel 16" Dia.	Steel 14" Dia.	Steel 16" Dia.	Steel 14" Dia.
120	120	120	120
7	7	7	7
2-Stage Bypass Motor	2-Stage Bypass Motor	Straight-Thru Motor	Straight-Thru Motor
92	92	95	95
85"	85"	87"	87"
19" Width	17" Width	19" Width	17" Width
32" High	28" High	32" High	25" High
48 Lbs.	35 Lbs.	42 Lbs.	29 Lbs.
67 Lbs.	45 Lbs.	59 Lbs.	36 Lbs.

FOR CURRENT MODELS, ALSO FOR PREVIOUS MODELS 8910, 8915, 8930

FURNACE CLEANING KIT NO. 49-90-1650 All accessories needed for cleaning furnaces. Kit includes 1 each of the following: 49-90-0020, 10 ft. hose; 49-90-0080, 6 ft. metal hose; 49-90-0410, 27" crevice tool; 49-90-0460, rubber blower nozzle; 49-90-0740, utility nozzle.

WET AND DRY CLEANING KIT NO. 49-90-1670 A complete kit of accessories for the maintenance department. Kit consists of 1 each of the following: 49-90-0060, 10 ft. hose; 49-90-0550, major floor tool; 49-90-0580, squeegee shoe; 49-90-0400, 15" crevice tool; 49-90-0600, 14" carpet insert; 49-90-0740, utility nozzle; 49-90-1000, double bend floor rod.



NEW HEAVY-DUTY HAND BLOWER POWERFUL AIR DISPLACEMENT

New MILWAUKEE Hand Blower designed for heavy-duty operation. Blower directs powerful stream of air into hard-to-reach places. Rubber directional nozzle will not damage delicate machine parts. Handy thumb switch and long cord (18'-3, 30') permit one hand operation over a wide area. Precision ball type bearings sealed in lubricant. An ideal tool for fast cleaning and reducing maintenance time and cost.

- 60 CUBIC FEET PER MIN.
 - 3 LBS. PER SQ. IN.
- NO. 8970

120 Volts
8 Amps
Net Wgt. 8 lbs.
Shp. Wgt. 10 lbs.



THIS TOOL COMPLIES
WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY VACUUM CLEANER ACCESSORIES

FOR CURRENT MODELS ON PAGES 20 AND 21, ALSO FOR PREVIOUS MODELS 8910, 8915, 8930



MOTOR HEADS AND DRUM ADAPTER ASSEMBLY

① MOTOR HEAD ONLY NO. 8940

The same powerful Motor Head as furnished with Models 8911 and 8916 with 30' of cord. Requires use of 16" dia. Conversion Pan for wet pickup. Wire Frame Filter Cage, Cloth Filter and Gasket assembly and 16" Dacron Filter Bag required for dry pickup. Order these and all other accessories separately. Unit includes a swivel end connector, Catalog No. 49-90-0150. Net Weight 14 lbs., Shipping Weight 16 lbs.

MOTOR HEAD ONLY NO. 8945

More powerful motor head adapts to all 16" diameter, 9 gallon units and larger for extra-duty applications. Same as furnished with models 8912 and 8925. Maximum air flow is 110 Cu. Ft./Min. with sealed suction water lift of 105". Unit comes with a 30' cord and requires the use of 16" diameter conversion pan for wet pickup. Wire frame filter cage, cloth filter, and gasket assembly and 16" dacron filter bag required for dry pickup. Order these and all accessories separately. Unit includes a swivel end connector, Catalog No. 49-90-0150. Net Wgt. 15 lbs., Shipping Wgt. 17 lbs.



② DRUM ADAPTER NO. 49-90-1590

Fits your 55 Gal. drum. Gasket secures tightly to drum when vacuum is in operation. Adaptable to Motor Head 8940 and 8945 and those on Nos. 8911, 8912, 8916, 8921, and 8925. Use 16" dia. accessories. Net Weight 10 lbs., Shipping Weight 11 lbs.

③ DOLLY NO. 49-90-1100

For 55 gal. drum. Sturdy steel construction with 4 wheels and long hinged handle. Drum easily tips off or on. Net Weight 43 lbs., Shipping Weight 45 lbs.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

WIRE FRAME FILTER CAGE, CLOTH FILTER AND GASKET ASSEMBLY

Available for both 14" and 16" dia. tanks. The filter assembly acts as a final filter for air leaving tank. To achieve the best possible results, the cloth filter gasket and wire frame must be maintained. Any wear holes or gasket leaks will allow dust and debris to blow through exhaust ports.

Wire Frame Filter Cage 14" Dia.
NO. 49-90-0290
Wire Frame Filter Cage 16" Dia.
NO. 49-90-0270

Cloth Filter and Gasket 14" Dia.
NO. 49-90-0280
Cloth Filter and Gasket 16" Dia.
NO. 49-90-0260



DISPOSABLE PAPER FILTER BAGS

Flame-resistant paper filter bags make tank clean-out as easy as possible. Quick, easy installation gets machine going again fast.

NO. 49-90-0311

14" Dia. Vacuum Cleaner (5 Pack)

NO. 49-90-0301

16" Dia. Vacuum Cleaner (5 Pack)

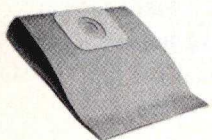
NO. 49-90-0350

16" Dia. Vacuum Cleaner (5 Pack)
for use with 8925 ONLY.

NO. 49-90-0331

(5 Pack)

ONLY FOR DISCONTINUED
MODELS 8900 AND 8905
16" Dia. Vacuum Cleaners.



DACRON FILTER BAG NO. 49-90-0320

Fits 14" and 16" dia. tanks. The dacron bag is suited for pick-up of medium fine dust as well as coarse sharp material. To be used without paper filter bags. Fits over cloth filter assembly.

MAJOR FLOOR TOOL 49-90-0550

Major Floor Tool with two "quick turn" thumb screws for quick tool changing. Accommodates interchangeable 14" inserts and replacements. Supplied with 49-90-0610 bumper.



NO. 49-90-0610



NO. 49-90-0560

REPLACEMENT BRUSH STRIPS (2) NO. 49-90-0630



NO. 49-90-0580

REPLACEMENT BUMPER FOR MAJOR FLOOR TOOL

BRISTLE SHOD SHOE

For Major Floor Tool. For rough floors, large wall and ceiling areas.

SQUEEGEE SHOE

Use with Major Floor Tool. For fast drying of washed floors.



WET PICK-UP CONVERSION PANS NO. 49-90-1620

Wet Pick-Up Conversion Pan 14" Dia.
(Standard on Model 8935 Only)

NO. 49-90-1610

Wet Pick-Up Conversion Pan 16" Dia.
(Standard on Models 8911, 8912, 8916 and 8925)

Converts models 8911, 8912, 8916, 8925, 8940, and 8945 for wet pickup. Built-in float allows waste to reach a safe level, then stops suction, preventing motor damage. Available as a replacement unit.

DOUBLE BEND FLOOR ROD NO. 49-90-1000



Built-in swivel connection adapts to 1-1/2" I.D. hose, with compression fitting that accommodates all floor tools. Made of chrome-plated steel.



NO. 49-90-0600

14" CARPET INSERT

For Major Floor Tool. Bottom plate perfectly designed for cleaning rugs, carpeting.



NO. 49-90-0570

FABRIC SHOD ATTACHMENT SHOE

Use with Major Floor Tool. Suited for cleaning cement and concrete floors.

REPLACEMENT FABRIC STRIPS (2) NO. 49-90-0620



NO. 49-90-0590

FELT SHOD ATTACHMENT SHOE

Use with Major Floor Tool for walls and smooth hard floors such as tile, hardwood.

REPLACEMENT FELT BLADES (2) NO. 49-90-0650

22 REPLACEMENT SQUEEGEE BLADES (4) NO. 49-90-0640

HEAVY-DUTY VACUUM CLEANER ACCESSORIES

**FOR CURRENT MODELS ON PAGE 21
ALSO FOR PREVIOUS MODELS 8910, 8915, AND 8930**



NEW

SHAG RUG ATTACHMENT

NO. 49-90-0800

For Major Floor Tool. Effective deep cleaning of shag rug pile

15" CREVICE TOOL

NO. 49-90-0400



27" CREVICE TOOL

NO. 49-90-0410



For cleaning behind radiators, other hard to reach corners and crevices.

RUBBER BLOWER NOZZLE

NO. 49-90-0460



For blowing dust and dirt out of cracks and inaccessible areas. Excellent for machinery.

20" EXTENSION

NO. 49-90-0510



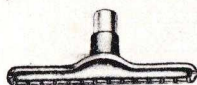
20" extension with built-in hose end swivel. Used with utility nozzle (49-90-0740) for automotive cleaning. Also desirable when short extension is needed for dust brush attachments (49-90-0730).



WIDE MOUTH GULPER

NO. 49-90-0540

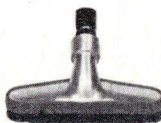
Ideal for use on bare floors or rugs. 12" cleaning path. Compression Type, fits on Double Bend Floor Rod No. 49-90-1000.



HORSE HAIR BRUSH

NO. 49-90-0750

Heavy-duty cast aluminum, wide mouth nozzle. 10" cleaning path. Compression Type, fits on Double Bend Floor Rod No. 49-90-1000.



NYLON BRISTLE BRUSH

NO. 49-90-0760

Heavy-duty cast aluminum, wide mouth nozzle. 10" cleaning path. Compression Type, fits on Double Bend Floor Rod No. 49-90-1000.



PLASTIC BUMPER

NO. 49-90-0720

Replacement for horse hair and nylon bristle brushes.



HORSE HAIR BRUSH INSERT REPLACEMENT

NO. 49-90-0700

NYLON BRUSH INSERT REPLACEMENT

NO. 49-90-0710

UTILITY NOZZLE

NO. 49-90-0740

Taper fit utility and upholstery nozzle. Fits 1-1/2" ID hose. 6" cleaning path.



CLAMP-ON NYLON BRISTLE BRUSH WITH BUMPER

NO. 49-90-0480

Attach directly to utility nozzle.



REPLACEMENT NYLON BRISTLE BRUSH INSERT

NO. 49-90-0680

For nylon bristle brush with bumper No. 49-90-0480.



REPLACEMENT BUMPER

NO. 49-90-0690

For nylon bristle brush.



3" ROUND DUST BRUSH

NO. 49-90-0730

3" round dust brush with nylon bristles. Fits 1-1/2" ID hose.



REPLACEMENT BRUSH INSERT

NO. 49-90-0660

Replacement for round dust brush.



BUMPER

NO. 49-90-0670

For round dust brush.



CANVAS HOSE 10'

NO. 49-90-0020

Canvas covered, wire reinforced, rubber lined vacuum hose, 1-1/2" ID. Two straight molded cuff ends. Order swivel-end connector separately.*



BLACK CANVAS HOSE 10'

NO. 49-90-0030

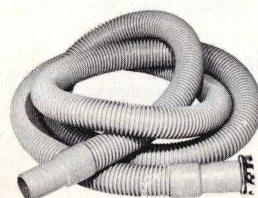
Canvas covered, wire reinforced, rubber lined vacuum hose. Strong resilient, 1-1/2" ID with two straight molded cuff ends. Order swivel-end connector separately.*



BLACK NEOPRENE HOSE

NO. 49-90-0040 15'
NO. 49-90-0050 25'

Neoprene lined, oil resistant, wire reinforced, 1-1/2" ID with two straight molded cuff ends. Order swivel-end connector separately.*



WIRELESS VINYL HOSE

NO. 49-90-0060 10'
NO. 49-90-0070 25'

Crushproof multi-flex hose with no wire reinforcement. 1-1/2" ID with two molded cuff ends. Order swivel-end connector separately.*



METAL HOSE 6'

NO. 49-90-0080

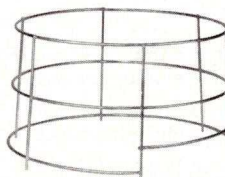
For cleaning boiler tubes and furnaces. 1-1/4" OD fits into standard 1-1/2" ID hoses.



STEEL HOSE CONNECTOR

NO. 49-90-0195

Used to connect 1-1/2" hoses.

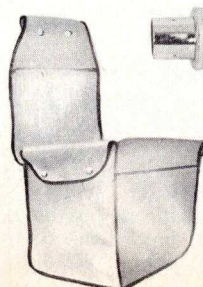


HOSE CARRIER

FOR 14" TANKS
NO. 49-90-0170

FOR 16" TANKS
NO. 49-90-0180

Ideal for neat safe storage of vacuum hoses. Makes moving from one location to another easier.



SWIVEL-END CONNECTOR

NO. 49-90-0150

Quick connect/disconnect feature makes attaching hoses to MILWAUKEE vacuum cleaners easy. Fits into 1-1/2" ID hoses. Same as furnished with each unit.

CANVAS STORE-ALL TOOL POUCH

NO. 49-90-0250

For Models 8911, 8912, 8916 and 8921

Strong durable vinyl covered canvas pouch ... makes toting extra tools easy.

* One swivel-end connector is furnished as standard equipment with vacuum cleaners 8911, 8912, 8916, 8921, 8925, 8931 and 8935 and motor heads 8940 and 8945.

**BALL AND
ROLLER BEARINGS**



HEAVY-DUTY DRAIN CLEANER

**50 FT. DRUM CAPACITY
HOLDS UP TO 35' OF 3/8" CABLE
OR 50' OF 5/16" INNER CORE CABLE**



- **TRIGGER SPEED CONTROL AND REVERSING MOTOR PROTECT CABLE FROM DAMAGE AND PERMIT SAFE OPERATION FROM 0 TO 500 RPM**
- **QUICK, EASY RODDING OF UP TO 2" WASTELINES**



STEEL CARRYING CASE
When purchased separately.
NO. 48-55-6055

CATALOG NUMBER	VOLTS AC ONLY	AMPS	SPEED RPM	CABLE SIZE	MAX. CABLE LENGTH	MAX. PIPE SIZE I.D.	LENGTH INS.	NET WGT. LBS.	SHR. WGT. LBS.
0567-1 KIT	115	1.85	0 to 500	5/16" 3/8"	50' 35'	2"	17	9-1/4	36
0566-1 TOOL ONLY	115	1.85	0 to 500	5/16" 3/8"	50' 35'	2"	17	9-1/4	12

NO. 0567-1 Kit includes: 1/4" x 25' Steel Cable No. 48-53-0010, 1/4" Repair Hook No. 49-20-0020, Cable Guide Holder No. 49-17-0160, Cable Guide No. 49-13-0010 and Steel Carrying Case No. 48-55-6055.

NO. 0566-1 Tool Only — Less Carrying Case and Accessories.

**MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THIS TOOL COMPLIES WITH O.S.H.A. REQUIREMENTS**



STEEL CABLE **INNER-CORE DROP HEAD CABLE**

STEEL CABLE is right-hand wound cable which expands when torque is applied. Designed for feeding through crossbars, down through and around the goose neck, or traps. It eliminates removal of the trap or clean out plug.

STEEL CABLES

NO. 48-53-0015	5/16" x 25'	Includes repair hook.
NO. 48-53-0035	5/16" x 30'	Includes repair hook.
NO. 48-53-0010	1/4" x 25'	Includes repair hook.
NO. 48-53-0030	1/4" x 30'	Includes repair hook.

INNER-CORE DROP HEAD CABLE is left-hand wound cable which tightens against center core when torque is applied, making a solid shaft. Once through stoppage, tension on the cable is released, and it becomes flexible again.

INNER-CORE DROP HEAD CABLES

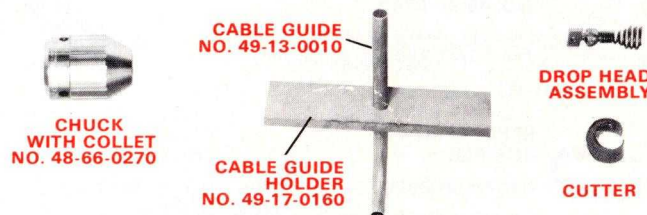
NO. 48-53-0020	5/16" x 25'	Includes drop head, 3/4" and 1" cutter, socket head screws and wrenches for changing heads.
NO. 48-53-0025	5/16" x 30'	Includes drop head, 3/4" and 1" cutter, socket head screws and wrenches for changing heads.
NO. 48-53-0040	5/16" x 50'	Includes drop head, 3/4" and 1" cutter, socket head screws and wrenches for changing heads.
NO. 48-53-0050	3/8" x 35'	Includes drop head, 1" and 1-1/4" cutter, socket head screws and wrenches for changing heads, extraction hook.

DROP HEAD PARTS KIT NO. 49-22-2500

For 5/16" Inner-Core Cable — includes drop head set screw for drop head, socket wrench for drop head, 3/4" cutter, 1" cutter, set screws and socket wrench for cutters.

DROP HEAD PARTS KIT NO. 49-22-2510

For 3/8" Inner Core Cable — includes drop head, set screw for drop head, socket wrench for drop head, 1" and 1-1/4" cutter, set screws and wrench for cutters, extraction hook.



- REPAIR HOOK NO. 49-20-0020** for 1/4" steel cable.
REPAIR HOOK NO. 49-20-0040 for 5/16" steel cable.
REPAIR BULB NO. 48-50-0010 for 5/16" inner-core drop head cable.
REPAIR BULB NO. 48-50-0020 for 3/8" inner-core drop head cable.
DROP HEAD ASSEMBLY NO. 49-16-0010 for 5/16" inner-core drop head cable.
DROP HEAD ASSEMBLY NO. 49-16-0020 for 3/8" inner-core drop head cable.
CUTTER 3/4" NO. 48-38-0050 for 5/16" inner-core drop head cable.
CUTTER 1" NO. 48-38-0060 for 5/16" inner-core drop head cable.
CUTTER 1" NO. 48-38-0070 for 3/8" inner-core drop head cable.
CUTTER 1-1/4" NO. 48-38-0080 for 3/8" inner-core drop head cable.
TYPE "A" GREASE NO. 49-08-0500 1/2 lb. can
TYPE "A" GREASE NO. 49-08-0800 1 lb. can



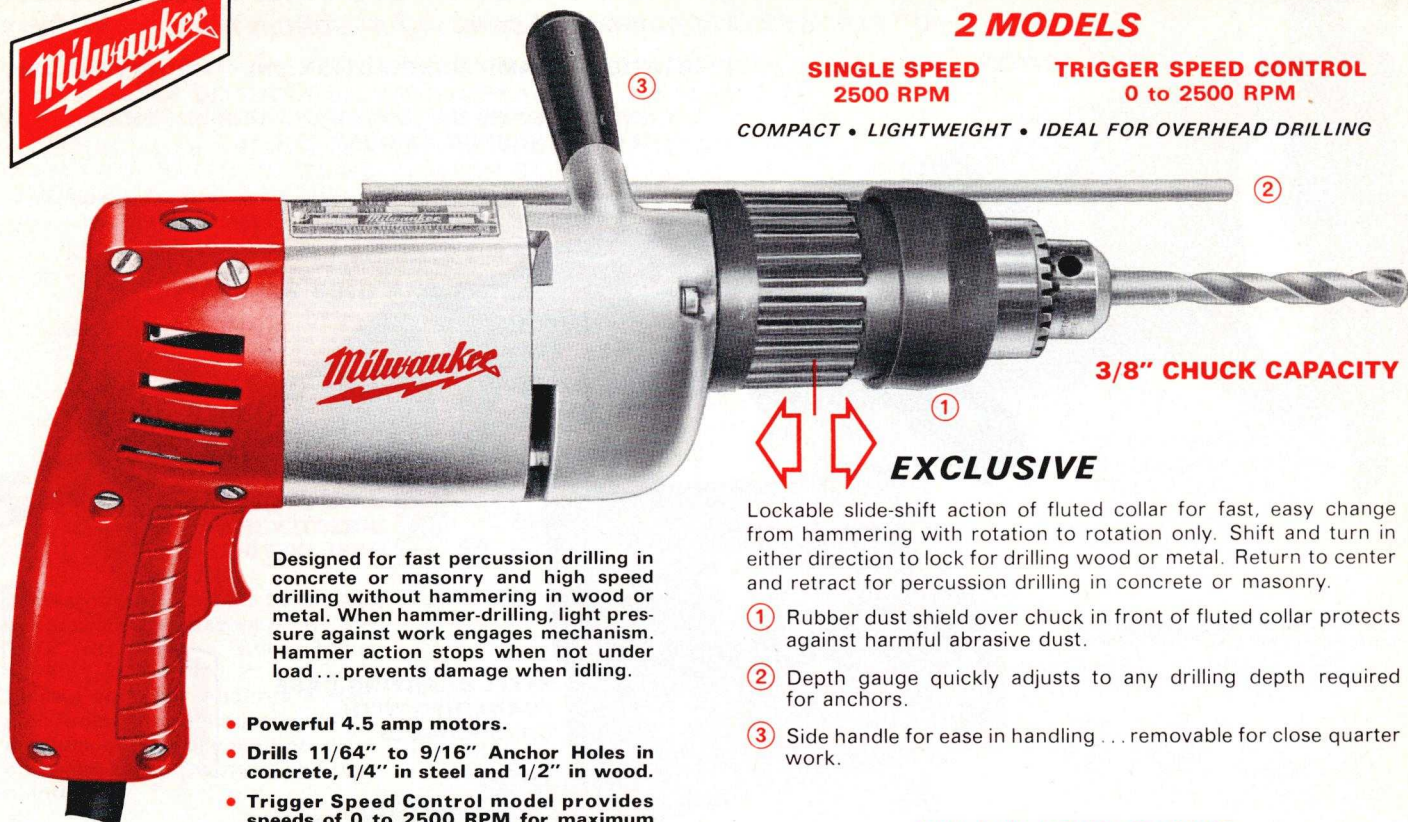
HEAVY-DUTY HAMMER-DRILLS

2 MODELS

SINGLE SPEED
2500 RPM

TRIGGER SPEED CONTROL
0 to 2500 RPM

COMPACT • LIGHTWEIGHT • IDEAL FOR OVERHEAD DRILLING



Designed for fast percussion drilling in concrete or masonry and high speed drilling without hammering in wood or metal. When hammer-drilling, light pressure against work engages mechanism. Hammer action stops when not under load ... prevents damage when idling.

- Powerful 4.5 amp motors.
- Drills 11/64" to 9/16" Anchor Holes in concrete, 1/4" in steel and 1/2" in wood.
- Trigger Speed Control model provides speeds of 0 to 2500 RPM for maximum control and accuracy. Prevents bit walking when starting holes in tile and ceramics at low speed. Depress trigger for higher speeds.

EXCLUSIVE

Lockable slide-shift action of fluted collar for fast, easy change from hammering with rotation to rotation only. Shift and turn in either direction to lock for drilling wood or metal. Return to center and retract for percussion drilling in concrete or masonry.

- ① Rubber dust shield over chuck in front of fluted collar protects against harmful abrasive dust.
- ② Depth gauge quickly adjusts to any drilling depth required for anchors.
- ③ Side handle for ease in handling ... removable for close quarter work.

BALL AND ROLLER BEARINGS

CATALOG NUMBER	TYPE	VOLTS	AMPS	BLOWS PER MIN.	NO LOAD RPM	LGTH. INS.	NET WGT. LBS.	SHP. WGT. LBS.
5390 Tool Only ★	Single Speed	120 AC	4.5	50,000	2,500	11	4-1/2	7
5395 Kit	Single Speed	120 AC	4.5	50,000	2,500	11	4-1/2	15
5392 Tool Only	Speed Control	120 AC Only	4.5	0-50,000	0-2,500	11	4-1/2	7
5397 Kit	Speed Control	120 AC Only	4.5	0-50,000	0-2,500	11	4-1/2	15

★ Available in 240 Volts AC Only. Add -2 after Catalog Number when ordering. See price sheet.

STANDARD EQUIPMENT

TOOL ONLY includes Hammer-Drill, depth gauge, removable side handle, rubber dust shield, special 3/8" industrial, geared, key-type chuck and chuck key with holder.

KIT. Same as Tool Only. Also includes 3/16" x 3", 1/4" x 4", 3/8" x 4" and 1/2" x 6" percussion carbide-tip bits and steel carrying case.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

3/8" SPECIAL CHUCK NO. 48-66-0810 Industrial, key type, 3-jaw chuck with 3/8-24 thread for use with Milwaukee Hammer-Drill. Includes Chuck Key No. 48-66-3240.

- NO. 49-62-0090 RUBBER DUST SHIELD
- NO. 48-55-0710 STEEL CARRYING CASE
- NO. 48-66-4040 RUBBER-FLEX KEY HOLDER
- NO. 49-08-0500 1/2 LB. CAN "A" GREASE For Gears
- NO. 49-08-0800 1 LB. CAN "A" GREASE For Gears
- NO. 49-08-0150 3 OZ. LUBRICANT FOR MECHANISM



Available
In Kit Form
With Steel
Carrying Case

PERCUSSION CARBIDE-TIP BITS For drilling concrete and masonry



These Carbide-Tip Bits are especially made with round shanks for use with Hammer-Drills. Alloy steel shanks and bodies are heat treated for durability and long life. Highest quality carbide tips brazed to steel bodies resist dulling, stay sharp longer and can be resharpened often. Wide spiral with shallow oval flutes removes dust fast to assure maximum drilling efficiency.

NOTE: Bits 11/64" thru 9/16" dia. are for use with Milwaukee Hammer-Drill with 3/8" chuck. All bits can be used with other Hammer-Drills depending upon chuck capacity. See shank dia. column.

BIT DIA. INS.	CATALOG NUMBER	SHANK DIA. INS.	OVERALL LGTH. INS.	BIT DIA. INS.	CATALOG NUMBER	SHANK DIA. INS.	OVERALL LGTH. INS.
11/64	48-20-6170	11/64	3	3/8	48-20-6382	5/16	13-1/2
3/16	48-20-6180	3/16	3	7/16	48-20-6440	3/8	6
7/32	48-20-6220	3/16	3	15/32	48-20-6470	3/8	6
1/4	48-20-6250	1/4	4	1/2	48-20-6500	3/8	6
1/4	48-20-6251	1/4	6	1/2	48-20-6501	3/8	13-1/2
9/32	48-20-6280	17/64	4	9/16	48-20-6560	3/8	6
5/16	48-20-6310	17/64	4	5/8	48-20-6620	1/2	6
5/16	48-20-6311	17/64	6	11/16	48-20-6690	1/2	6
3/8	48-20-6380	5/16	4	3/4	48-20-6750	1/2	6
3/8	48-20-6381	5/16	6	7/8	48-20-6880	1/2	6

HEAVY-DUTY 3/4" ROTARY HAMMER

FOR PERCUSSION CARBIDE-BIT DRILLING IN CONCRETE AND MASONRY

3 WAY ACTION • HAMMERING WITH ROTATION • HAMMERING ACTION ONLY* • ROTATION ONLY

• NO HOURLY OR DAILY OILING — GREASE PERIODICALLY DEPENDING UPON AMOUNT OF USE

*Order accessories separately for hammering action only.

ALL BALL AND ROLLER BEARINGS

• "A" TAPER BITS FIT DIRECTLY INTO NOSE OF TOOL

• SIDE HANDLE INTERCHANGEABLE RIGHT OR LEFT

FAST SPIRAL "A" TAPER PERCUSSION CARBIDE-TIP BITS



STEEL CARRYING CASE FURNISHED WITH BOTH MODELS



BIT DIA. (IN.)	CATALOG NUMBER	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
3/16	48-20-3181	4	2
1/4	48-20-3251	4	2
1/4	48-20-3253	6	4
5/16	48-20-3311	4-1/2	2-1/2
5/16	48-20-3313	6	4
3/8	48-20-3383	4-1/2	2-1/2
3/8	48-20-3384	9	7
3/8	48-20-3385	12	10
7/16	48-20-3441	4-1/2	2-1/2
1/2	48-20-3503	9	7
1/2	48-20-3504	4-1/2	2-1/2
1/2	48-20-3505	12	10
9/16	48-20-3561	5	3
9/16	48-20-3562	9	7
5/8	48-20-3623	5	3
5/8	48-20-3624	9	7
5/8	48-20-3625	12	10
11/16	48-20-3691	5	3
3/4	48-20-3791	5-1/2	3-1/2
3/4	48-20-3796	9	7
7/8	48-20-3861	5	3

CATALOG NUMBER	MAXIMUM CAPACITY	VOLTS	AMPS	BLOWS PER MIN.	NO. LOAD RPM	LENGTH INCHES	NET WGT. LBS.	SHIP. WGT. LBS.
5351★	7/8"	120	6.2	2500	1000	18-3/8	10	21
5357	7/8"	120	6.2	2500	1000	18-3/8	10	22

★ Available in 240 Volts. Add -2 after Catalog Number when ordering. See price sheet.

NO. 5351 ROTARY HAMMER KIT

Includes 3/4" Rotary Hammer with "A" taper adapter, drift key, auxiliary side handle, depth gauge, dust shield, 3 oz. tube of lubricant for mechanism and steel carrying case.

NO. 5357 ROTARY HAMMER KIT

Same as above. Also includes 6" "A" taper bits 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 9/16" x 5" and 5/8" x 5".

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

3/4" HEAVY-DUTY ROTARY HAMMER ACCESSORIES

"A" TAPER PERCUSSION CARBIDE-TIP BITS



BIT DIA. (IN.)	CATALOG NUMBER	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
3/16	48-20-3180	4	2
1/4	48-20-3250	4	2
1/4	48-20-3252	6	4
5/16	48-20-3310	4-1/2	2-1/2
5/16	48-20-3312	6	4
3/8	48-20-3380	4-1/2	2-1/2
3/8	48-20-3381	9	7
3/8	48-20-3382	12	10
7/16	48-20-3440	4-1/2	2-1/2
15/32	48-20-3470	4-1/2	2-1/2
1/2	48-20-3499	9	7
1/2	48-20-3500	4-1/2	2-1/2
1/2	48-20-3501	12	10
9/16	48-20-3559	5	3
9/16	48-20-3560	9	7
5/8	48-20-3619	5	3
5/8	48-20-3620	9	7
5/8	48-20-3621	12	10
11/16	48-20-3690	5	3
3/4	48-20-3790	5-1/2	3-1/2
3/4	48-20-3795	9	7
7/8	48-20-3860	5	3



TOOTH ANCHOR

TOOTH ANCHOR CHUCK

TOOTH ANCHOR CHUCK ADAPTER

TOOTH ANCHOR CHUCKS AND ADAPTER

Use with hammering action only — Manual rotation

NO. 48-66-6720 For Bolt Size 1/4"-3/16" Anchor 7/16"
NO. 48-66-6730 3/8" O.D. 9/16"

CHUCK ADAPTER for tooth anchor chucks
NO. 48-03-3615

NO. 48-86-0100 DRIFT PIN
NO. 49-68-0075 RETAINING SPRING

TOOTH ANCHOR CHUCK KIT
NO. 49-22-2050 Includes all items listed above.



CHISEL AND CHISEL ADAPTER (Use with hammering action only.)

NO. 48-03-3620 CHISEL ADAPTER Fastens to nose of tool.
NO. 48-62-0300 CHISEL Use retaining spring NO. 49-68-0075.
NO. 49-68-0075 RETAINING SPRING



1/2" INDUSTRIAL CHUCK AND ADAPTER (Use with rotation only.)

NO. 48-03-3590 CHUCK ADAPTER "A" taper shank. 1/2"-20 threaded end.
NO. 48-66-1280 1/2" CHUCK — Chuck Key NO. 48-66-3280 included.

MISCELLANEOUS ACCESSORIES



"A" TAPER ADAPTER



DUST SHIELD



RETAINING SPRING

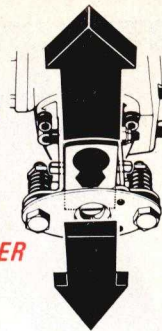
48-03-3610 "A" Taper Bit Adapter
48-86-0050 Drift Key for above
49-96-0080 Socket Wrench for Depth Gauge
49-62-0080 Dust Shield
49-08-0150 3 oz. Lubricant for Mechanism
48-55-0570 Steel Carrying Case
49-68-0075 Retaining Spring
49-08-0500 1/2 Lb. Can "A" Grease For Gears
49-08-0800 1 Lb. Can "A" Grease For Gears
•Same as furnished with tool.

HEAVY-DUTY 2-1/2" ROTARY HAMMERS

- **WITH EXCLUSIVE SIMPLE 2 WAY ACTION SLIDE SHIFT**
- **DRILL TO 2-1/2" DIA. WITH PERCUSSION CORE BITS**
- **NO HOURLY OR DAILY OILING... GREASE ONLY EVERY 2 TO 3 MONTHS DEPENDING UPON AMOUNT OF USE**
- **ADJUSTABLE SAFETY CLUTCH PROTECTS OPERATOR, TOOL AND BIT. WHEN BIT JAMS, CLUTCH SLIPS — ROTARY ACTION STOPS.**

UP FOR
HAMMERING

DOWN FOR
ROTARY HAMMER
ACTION



FOR FAST PERCUSSION DRILLING IN CONCRETE

MODELS 5310 AND 5315
FOR 7/16" HEX SHANK HAMMER IRON

BALL AND ROLLER BEARINGS

For Percussion Carbide Bit Drilling in concrete and masonry 1/4" thru 1-1/2" dia. holes • Core Drilling 1-1/4", 1-1/2", 1-3/4", 2" and 2-1/2" holes • for Shell Anchors • Hammer Tools for chiseling, channeling, medium or light demolition work, chipping, scaling, slotting and tuck-pointing.



CATALOG NUMBER	VOLTS	AMPS	RPM	BLOWS PER MIN.	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
5310 ★	120	10	600	3250	18"	19	44
5315	120	10	600	3250	18"	19	52

★ Available in 240 Volts. Add -2 after Catalog Number when ordering. See price sheet.

STANDARD EQUIPMENT

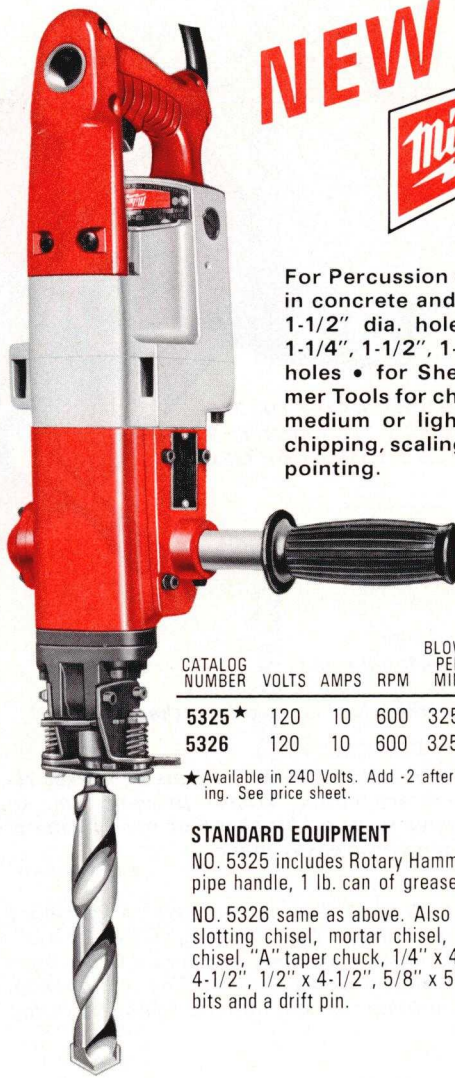
NO. 5310 includes Rotary Hammer in steel carrying case, pipe handle, 1 lb. can of grease.

NO. 5315 same as above. Also includes a scaling chisel, slotting chisel, mortar chisel, 11" bull point, 11" cold chisel, "A" taper chuck, 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 5/8" x 5" and 3/4" x 9" "A" taper bits and a drift pin.

MODELS 5325 AND 5326
FOR 9/16" HEX SHANK HAMMER IRON

NEW
Milwaukee
MODELS 5325 and 5326

For Percussion Carbide Bit Drilling in concrete and masonry 1/4" thru 1-1/2" dia. holes • Core Drilling 1-1/4", 1-1/2", 1-3/4", 2" and 2-1/2" holes • for Shell Anchors • Hammer Tools for chiseling, channeling, medium or light demolition work, chipping, scaling, slotting and tuck-pointing.



BALL AND ROLLER BEARINGS

CATALOG NUMBER	VOLTS	AMPS	RPM	BLOWS PER MIN.	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
5325 ★	120	10	600	3250	18-1/2"	20	45
5326	120	10	600	3250	18-1/2"	20	53

★ Available in 240 Volts. Add -2 after Catalog Number when ordering. See price sheet.

STANDARD EQUIPMENT

NO. 5325 includes Rotary Hammer in steel carrying case, pipe handle, 1 lb. can of grease.

NO. 5326 same as above. Also includes a scaling chisel, slotting chisel, mortar chisel, 11" bull point, 11" cold chisel, "A" taper chuck, 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 5/8" x 5" and 3/4" x 9" "A" taper bits and a drift pin.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

2-1/2" ROTARY HAMMER ACCESSORIES



DEPTH GAUGE ASSEMBLY

NO. 49-11-0090 Easily mounted to nose of tool for accurate pre-set depth drilling. Contains depth rod bracket and depth rod.

OPTIONAL ACCESSORY KIT FOR NOS. 5310 AND 5315

NO. 48-62-0205 Includes a scaling chisel, slotting chisel, mortar chisel, 11" bull point, 11" cold chisel, "A" taper chuck, 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 5/8" x 5" and 3/4" x 9" "A" taper bits and a drift pin.

OPTIONAL ACCESSORY KIT FOR NOS. 5325 AND 5326

NO. 48-62-0206 Includes a scaling chisel, slotting chisel, mortar chisel, 11" bull point, 11" cold chisel, "A" taper chuck, 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 5/8" x 5" and 3/4" x 9" "A" taper bits and a drift pin.

STEEL CARRYING CASE as furnished with models 5310, 5315 5325 and 5326

STEEL CARRYING CASE ONLY
NO. 48-55-0600



SEE PAGES 29, 30, 31
FOR PERCUSSION CARBIDE TIP BITS,
HAMMER TOOLS AND OTHER ACCESSORIES

HEAVY-DUTY 2-1/2" ROTARY HAMMER

• FASTEST DRILLING ROTARY HAMMER ON THE MARKET

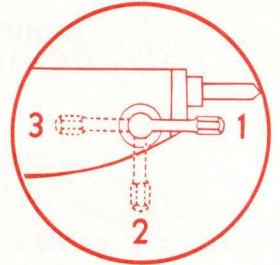
• DRILL TO 2-1/2" DIAMETER WITH PERCUSSION CORE BITS



NOS.
5300
5305

EXCLUSIVE 5 WAY ACTION

- ROTATION WITH HEAVY HAMMER BLOW
- ROTATION WITH LIGHT HAMMER BLOW
- ROTATION WITHOUT HAMMERING
- HAMMERING WITH LIGHT BLOW
- HAMMERING WITH HEAVY BLOW



ALL BALL
AND ROLLER
BEARINGS

• NO HOURLY OR DAILY OILING
GREASE ONLY EVERY 2 TO 3 MONTHS
DEPENDING UPON AMOUNT OF USE

• SPRING ACTION DEPTH GAUGE

Guide rod's spring action maintains accurate setting when bit reaches pre-set depth. Simple to adjust and easily removed when tool is used for other work.

• ADJUSTABLE SAFETY CLUTCH

Protects operator, tool and bit. When bit jams or strikes rebar, clutch slips—rotary action stops—prevents jolt to operator and excessive wear on bit shank or nose bushing. Torque output adjustment is easily made.

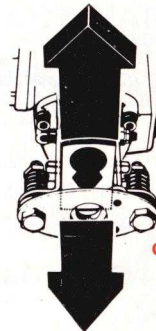
• CAPACITIES

For Percussion Carbide Bit Drilling in concrete and masonry 1/4" thru 1-1/2" dia. holes • Core Drilling 1-1/4", 1-1/2", 1-3/4", 2" and 2-1/2" holes • for Shell Anchors • Drills Steel to 1/2" diameter • Hammer Tools for chiseling, channeling, medium or light demolition work, chipping, scaling, slotting and tuck-pointing.

• 3 POSITION PIPE HANDLE
... Use on either side of motor housing or on top of switch handle.



WITH EXCLUSIVE SIMPLE
2-WAY ACTION SLIDE SHIFT



UP FOR
HAMMERING
ONLY

DOWN FOR
ROTARY HAMMER
OR STRAIGHT ROTATION
ACTION

CATALOG NUMBER	VOLTS	AMPS	RPM LIGHT BLOW	RPM HEAVY BLOW	RPM ROTATION ONLY	BLOWS PER MIN. LIGHT BLOW	BLOWS PER MIN. HEAVY BLOW	LENGTH	NET WGT. LBS.	SHP. WGT. LBS.
5300★	120	10	700	600	850	3800	3250	18"	19-3/4	45
5305	120	10	700	600	850	3800	3250	18"	19-3/4	52

★Available in 230 Volts. Add -2 after Catalog Number when ordering. See price sheet.

STANDARD EQUIPMENT

NO. 5300 includes Rotary Hammer in steel carrying case, depth gauge, pipe handle, 1 lb. can of grease.

NO. 5305 same as above. Also includes a scaling chisel, slotting chisel, mortar chisel, 11" bull point, 11" cold chisel, "A" taper chuck, 1/4" x 4", 3/8" x 4-1/2", 7/16" x 4-1/2", 1/2" x 4-1/2", 5/8" x 5" and 3/4" x 9" "A" taper bits and a drift pin.

CONVERSION KIT NO. 48-62-0205 Additional accessories to convert No. 5300 to No. 5305 as itemized above.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

STEEL CARRYING
CASE as furnished
with NOS.
5300 and 5305

STEEL
CARRYING
CASE
ONLY
NO. 48-55-0600

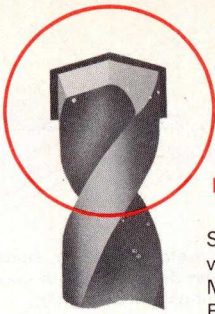


See pages 29, 30 and 31 for Percussion Carbide-Tip Bits, Hammer Tools and other accessories for the 5300 and 5305 Rotary Hammers.

HEAVY-DUTY PERCUSSION CARBIDE-TIPPED BITS

FOR ROTARY HAMMER MODELS 5300, 5310, and 5325

For High Speed, Low Cost Drilling in Concrete and Masonry



HIGHEST QUALITY CARBIDE TIP BRAZED TO STEEL BODY

Specially designed for continuous use with heavy blow and rotary action, MILWAUKEE Percussion Carbide-Tip Bits have heat-treated alloy steel shanks and bodies for durability and long life.

GENERAL PURPOSE BITS are used for deep hole drilling. No adapter is required. One piece bits fit directly into the nose of the hammer. Shorter bits with "A" or "B" taper shanks are used with taper chucks. Bits with taper shanks are economical and recommended where only shallow holes are needed.

GENERAL PURPOSE TAPER SHANK BITS

FAST SPIRAL "A" TAPER BITS USE "A" TAPER CHUCKS

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
1/4	48-20-3251	4	2
1/4	48-20-3253	6	4
5/16	48-20-3311	4-1/2	2-1/2
5/16	48-20-3313	6	4
3/8	48-20-3383	4-1/2	2-1/2
3/8	48-20-3384	9	7
3/8	48-20-3385	12	10
7/16	48-20-3441	4-1/2	2-1/2
1/2	48-20-3503	9	7
1/2	48-20-3504	4-1/2	2-1/2
1/2	48-20-3505	12	10
9/16	48-20-3561	5	3
9/16	48-20-3562	9	7
5/8	48-20-3623	5	3
5/8	48-20-3624	9	7
5/8	48-20-3625	12	10
11/16	48-20-3691	5	3
3/4	48-20-3791	5-1/2	3-1/2
3/4	48-20-3796	9	7
7/8	48-20-3861	5	3

"A" TAPER BITS USE "A" TAPER CHUCKS

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
1/4	48-20-3250	4	2
1/4	48-20-3252	6	4
5/16	48-20-3310	4-1/2	2-1/2
5/16	48-20-3312	6	4
3/8	48-20-3380	4-1/2	2-1/2
3/8	48-20-3381	9	7
3/8	48-20-3382	12	10
7/16	48-20-3440	4-1/2	2-1/2
15/32	48-20-3470	4-1/2	2-1/2
1/2	48-20-3499	9	7
1/2	48-20-3500	4-1/2	2-1/2
1/2	48-20-3501	12	10
9/16	48-20-3559	5	3
9/16	48-20-3560	9	7
5/8	48-20-3619	5	3
5/8	48-20-3620	9	7
5/8	48-20-3621	12	10
11/16	48-20-3690	5	3
3/4	48-20-3790	5-1/2	3-1/2
3/4	48-20-3795	9	7
7/8	48-20-3860	5	3

"B" TAPER BITS USE "B" TAPER CHUCKS

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
11/16	48-20-3680	9	6-3/4
3/4	48-20-3750	9	6-3/4
27/32	48-20-3840	9	6-3/4
7/8	48-20-3870	9	6-3/4
1	48-20-3100	9	6-3/4

TAPER CHUCKS

**TAPER CHUCKS FOR
"A" & "B" TAPER SHANK BITS**
Drift pin included with each chuck.

TAPER CHUCK	MODEL NUMBER	CATALOG NUMBER
"A"	MILWAUKEE	48-66-6500
"B"	5300 and 5310	48-66-6501
"A"	B & D	48-66-6506
"B"	717-718-719	48-66-6505
"A"	Skil 706	48-66-6708
"A"	Skil 726	48-66-6500
"B"	Skil 726	48-66-6501
"A"	MILWAUKEE 5325	48-66-6709
"B"	and Skil 728	48-66-6710
"B"	Skil 736	48-66-6507
"A"	Skil 1706	48-66-6708
"A"	Hilti TE 17	48-66-6750

Drift Pins when ordered separately 48-86-0090*
48-86-0100

GENERAL PURPOSE ONE PIECE BITS

WITH 7/16" HEX SHANK

For Models 5300, 5310, 5305, 5315 and Skil 726.

ONE PIECE

7/16" HEX. X 2-1/8" LONG SHANK

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
1/2	48-20-1500	10	4-1/4
1/2	48-20-1502	16	10-1/2
1/2	48-20-1504	22	16
9/16	48-20-1560	12	6-1/2
5/8	48-20-1630	10	4-1/2
5/8	48-20-1632	16	10-1/2
5/8	48-20-1634	22	16
11/16	48-20-1690	12	6-1/2
3/4	48-20-1750	10	4-1/2
3/4	48-20-1752	16	10-1/2
3/4	48-20-1754	23-1/2	18
7/8	48-20-1880	12	6-1/2
7/8	48-20-1882	23-1/2	18
1	48-20-2000	12	6-1/2
1	48-20-2002	23-1/2	18
1-1/8	48-20-2130	12	6-1/2
1-1/8	48-20-2132	23-1/2	18
1-1/4	48-20-2250	12	7
1-1/4	48-20-2251	23-1/2	18
1-3/8	48-20-2370	12	7
1-3/8	48-20-2372	23-1/2	18
1-1/2	48-20-2500	15	10
1-1/2	48-20-2502	23-1/2	18

NEW

WITH 9/16" HEX SHANK

For Models 5325, 5326 and Skil 628, 728, 732, B&D 5048, Rockwell 602 and 1602.

ONE PIECE

9/16" HEX. X 2-1/8" LONG SHANK

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
1/2	48-20-1509	10-1/2	4-1/2
1/2	48-20-1510	16-1/2	10-1/2
1/2	48-20-1511	22-1/2	16-1/2
9/16	48-20-1561	13	7
5/8	48-20-1631	10	4
5/8	48-20-1633	16-1/2	10-1/2
5/8	48-20-1635	22-1/2	16-1/2
11/16	48-20-1691	13	7
3/4	48-20-1751	10	4
3/4	48-20-1753	16-1/2	10-1/2
3/4	48-20-1755	22-1/2	16-1/2
7/8	48-20-1881	17	11-1/2
7/8	48-20-1883	22-1/2	16-1/2
1	48-20-2001	12-1/2	7
1	48-20-2003	22-1/2	17
1-1/8	48-20-2131	17	11-1/2
1-1/8	48-20-2133	22-1/2	17
1-1/4	48-20-2252	17	11-1/2
1-1/4	48-20-2253	22-1/2	17
1-3/8	48-20-2371	17	11-1/2
1-3/8	48-20-2373	22	17
1-1/2	48-20-2501	17	11-1/2
1-1/2	48-20-2503	22	17



HEAVY-DUTY ROTARY HAMMER TOOLS

FOR ROTARY HAMMER MODELS 5300, 5310, and 5325

HIGHEST QUALITY FORGED STEEL for Chiseling, Channeling, Light Demolition Work, Chipping, Scaling, Slotting and Tuckpointing
NEW 9/16" SHANKS ALSO AVAILABLE

SCALING CHISEL

7/16" and 9/16"
SHANK
AVAILABLE



1-3/4" x 10" long

For removing weld spatter or scale and cutting between drilled holes in concrete for large openings.

NO. 48-62-0210 7/16" Shank
 NO. 48-62-0355 9/16" Shank

MORTAR CUTTING CHISEL

7/16" and 9/16"
SHANK
AVAILABLE



1" x 11" long

For removing old mortar for tuckpointing or caulking and seaming.

NO. 48-62-0230 7/16" Shank
 NO. 48-62-0362 9/16" Shank

COLD CHISEL

7/16" and 9/16"
SHANK
AVAILABLE



3/4" x 11" or 18" long

For edging, chipping or channeling.

11" LONG
 NO. 48-62-0250 7/16" Shank
 NO. 48-62-0365 9/16" Shank

18" LONG
 NO. 48-62-0252 7/16" Shank
 NO. 48-62-0367 9/16" Shank

BULL POINT

7/16" and 9/16"
SHANK
AVAILABLE



11" or 18" long

For light demolition work.

11" LONG
 NO. 48-62-0240 7/16" Shank
 NO. 48-62-0380 9/16" Shank

18" LONG
 NO. 48-62-0248 7/16" Shank
 NO. 48-62-0382 9/16" Shank

SLOTING CHISEL

7/16" and 9/16"
SHANK
AVAILABLE



1-1/8" x 11" long

For slotting and cutting between drilled holes in concrete and masonry.

NO. 48-62-0220 7/16" Shank
 NO. 48-62-0390 9/16" Shank

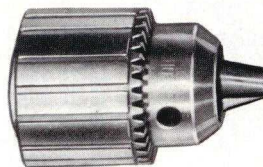
HEAVY-DUTY ROTARY HAMMER ACCESSORIES

INDUSTRIAL CHUCK AND ADAPTER

7/16" HEX.
SHANK ONLY



CHUCK ADAPTER



1/2" CHUCK

Used with rotation only. Chuck threads on chuck adapter (1/2"-20 thread). Capacity in steel 1/2". Use as regular drill for other applications. Chuck key No. 48-66-3280 included with chuck. Order both chuck and chuck adapter.

NO. 48-03-3000 Chuck Adapter
 NO. 48-66-1280 1/2" Chuck

MISCELLANEOUS

REPLACEMENT DUST SHIELD
 FOR SERIAL NOS. BELOW 342-70312
 NO. 49-62-0070



Same as furnished with each tool. Keeps foreign matter from entering nose of tool. Prevents grease contamination.



REPLACEMENT TOOL ADAPTER
 ASSEMBLY - FOR SERIAL NOS.
 BELOW 342-70312
 NO. 48-03-0050

Same as furnished with each tool. Must be used with hammer tools for hammering action only.



NO. 48-55-0600 Carrying Case Only
 For 5300, 5310, and 5325 Rotary Hammers.
 NO. 48-86-0100 Drift Pin
 NO. 49-08-0500 1/2 lb. Can "A" Grease
 NO. 49-08-0800 1 lb. Can "A" Grease



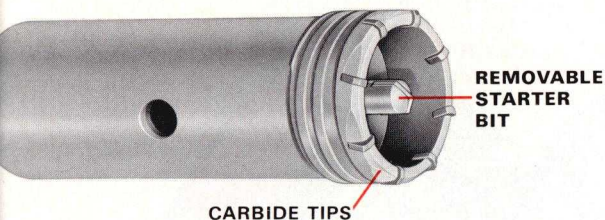
HEAVY-DUTY ROTARY HAMMER ROTARY PERCUSSION CORE BITS

FOR ROTARY HAMMER MODELS 5300, 5310 and 5325

For Fast, Accurate Drilling with Heavy Hammering and Rotary Action

NEW 9/16" HEX SHANK CORE BIT ADAPTERS ALSO AVAILABLE

CORE BIT



**REMOVABLE
STARTER
BIT**

CARBIDE TIPS

CORE BITS

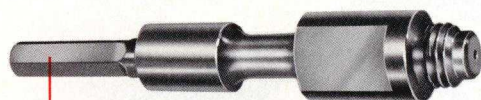
Starter Bit included. Order Core Bit Adapter separately.

NO. 48-20-5250	1-1/4" x 6"
NO. 48-20-5510	1-1/2" x 6"
NO. 48-20-5760	1-3/4" x 6"
NO. 48-20-6010	2" x 6"
NO. 48-20-6050	2-1/2" x 6"

1/2" STARTER BITS

(Same as furnished with Core Bits)

NO. 48-20-6105	For 1-1/4" Core Bit
NO. 48-20-6110	For 1-1/2" Core Bit
NO. 48-20-6120	For 1-3/4" Core Bit
NO. 48-20-6130	For 2" Core Bit
NO. 48-20-6140	For 2-1/2" Core Bit



CORE BIT ADAPTER

7/16" and 9/16" HEX. SHANK AVAILABLE

7/16" Hex. shanks fit MILWAUKEE 5300, 5310, 5305, 5315 and Skil 726.

9/16" Hex. shanks fit MILWAUKEE 5325, 5326 and Skil 628, 728, 732, B&D 5048, Rockwell 602 and 1602.

CORE BIT ADAPTERS

(Order Separately)

FOR 1-1/4" CORE BIT

*NO. 48-03-3515	7/16" Hex. Shank
NO. 48-03-3530	9/16" Hex. Shank

FOR 1-1/2", 1-3/4", 2" AND
2-1/2" CORE BITS

*NO. 48-03-3505	7/16" Hex. Shank
NO. 48-03-3520	9/16" Hex. Shank

* Also will fit SKIL No. 726.

EXTENSIONS

FOR 1-1/4" CORE BIT

NO. 48-95-6065	12" Long
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FOR 1-1/2", 1-3/4", 2" AND
2-1/2" CORE BITS

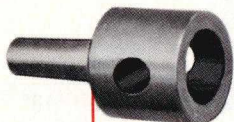
NO. 48-95-6005	7-1/2" Long
NO. 48-95-6055	12" Long

HEAVY-DUTY ROTARY HAMMER TOOTH ANCHOR CHUCKS

FOR ROTARY HAMMER MODELS 5300, 5310 and 5325

For Application of Self-Drilling Anchors

TOOTH ANCHOR CHUCK



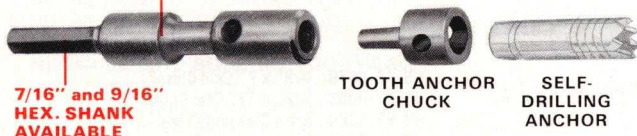
**MUST BE USED
WITH "B" TAPER CHUCKS OR
"B" TAPER CHUCK ASSEMBLY
AS ILLUSTRATED**

**TOOTH ANCHOR
CHUCK**

CATALOG NO.	FOR BOLT SIZE	O.D. OF ANCHOR
48-66-6520	3/16"-1/4"	7/16"
48-66-6540	5/16"	15/32"
48-66-6560	3/8"	9/16"
48-66-6580	1/2"	11/16"
48-66-6600	5/8"	27/32"

For final setting of anchors 1/2" and 5/8" use hand hammer and setting tool.

**"B" TAPER CHUCK
FOR AUTOMATIC ROTATION**

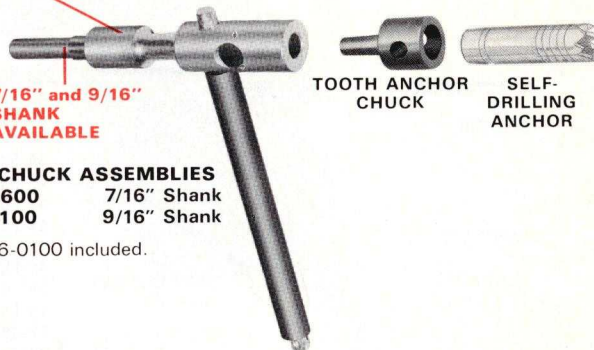


**7/16" and 9/16"
HEX. SHANK
AVAILABLE**

**TOOTH ANCHOR
CHUCK**

**SELF-
DRILLING
ANCHOR**

**"B" TAPER CHUCK ASSEMBLY
FOR MANUAL ROTATION**



**7/16" and 9/16"
SHANK
AVAILABLE**

**TOOTH ANCHOR
CHUCK**

**SELF-
DRILLING
ANCHOR**

"B" TAPER CHUCKS

NO. 48-66-6501	7/16" Hex. Shank
NO. 48-66-6710	9/16" Hex. Shank

Drift Pin 48-86-0100 included.

"B" TAPER CHUCK ASSEMBLIES

NO. 48-03-3600	7/16" Shank
NO. 48-03-3100	9/16" Shank

Drift Pin 48-86-0100 included.



TOOTH ANCHOR CHUCK KIT

NO. 49-22-2000

Tooth Anchor Chucks for bolts sizes 3/16", 1/4", 3/8", 1/2" and 5/8"; "B" Taper Chuck (48-66-6501) with Drift Pin (48-86-0100) and steel case.



HEAVY-DUTY 3/4" HAMMER

For drilling holes in concrete and masonry for conduit, anchors and expansion shields • Chipping • Channeling • Scaling • Chiseling and Tuck Pointing.

**STEEL CARRYING CASE
FURNISHED WITH
BOTH MODELS**

BALL AND ROLLER BEARINGS

- 3000 BLOWS PER MIN.
- GLASS REINFORCED NYLON HANDLE
- LIGHTWEIGHT 11 LBS.

• HAMMER BLOW is forward only, with a patented cushioned recoil mechanism to eliminate jolting action.

• HANDLES A WIDE RANGE of Star Drills, Tooth Anchors, Chisels and Bull Point.

NO. 5361 ELECTRIC HAMMER KIT

LIMITED SET—includes 3/4" Electric Hammer, with star drill chuck, 1/2" star drill, drift pin, tool retaining spring, grease gun, grease and steel carrying case.

NO. 5382 ELECTRIC HAMMER KIT

Includes 3/4" Electric Hammer with star drill chuck, drift pin, tool retaining spring for chisels, one each bull point, cold chisel, brick cleaning chisel and mortar cutting chisel, eight assorted star drills 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4" and 7/8" sizes, grease gun, grease and steel carrying case.

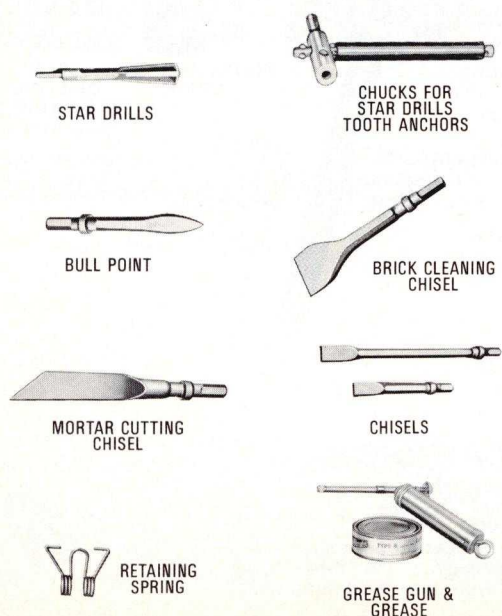
CONVERSION KIT NO. 48-62-0200

Additional accessories required to convert No. 5361 Limited Kit to No. 5382 Complete Kit.

CATALOG NUMBER	KIT	MAX. STAR DRILL CAPACITY	VOLTS	AMPS	BLOWS PER MIN.	LENGTH	NET WGT. LBS.	SHIP. WGT. LBS.
5361	LIMITED	1-1/8"	120	4.5	3000	18"	11	26
5382	COMPLETE	1-1/8"	120	4.5	3000	18"	11	30

**MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS**

3/4" HEAVY-DUTY HAMMER ACCESSORIES



STAR DRILLS and CHUCK

48-88-0251	1/4" x 6"
48-88-0252	1/4" x 12"
48-88-0310	5/16" x 6"
48-88-0311	5/16" x 12"
48-88-0370	3/8" x 6"
48-88-0371	3/8" x 12"
48-88-0430	7/16" x 6"
48-88-0500	1/2" x 6"
48-88-0501	1/2" x 12"
48-88-0620	5/8" x 6"
48-88-0621	5/8" x 12"
48-88-0750	3/4" x 6"
48-88-0751	3/4" x 12"
48-88-0870	7/8" x 6"
48-88-0871	7/8" x 12"
48-88-1000	1" x 6"
48-88-1001	1" x 12"
48-88-1120	1-1/8" x 6"
48-66-5010	Star Drill Chuck ★

BULL POINT

48-62-0060	5/8" x 12"
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★ Drift Pin Catalog No. 48-86-0090 included with each chuck.

CHISELS

48-62-0070	5/8" x 7" Cold Chisel
48-62-0050	5/8" x 12" Cold Chisel
48-62-0080	Brick Cleaning Chisel
48-62-0090	Mortar Cutting Chisel

TOOTH ANCHOR CHUCKS

48-66-5100	1/4"	7/16"
48-66-5160	FOR 5/16"	O.D. 15/32"
48-66-5140	BOLT 3/8"	OF 9/16"
48-66-5080	SIZE 1/2"	ANCHOR 11/16"
48-66-5180	5/8"	27/32"

MISCELLANEOUS

48-55-0570	Carrying Case	
49-08-0500	1/2 Lb. Can "A" Grease	FOR GEARS
49-08-0800	1 Lb. Can "A" Grease	
49-08-0600	1/2 Lb. Can "B" Grease	FOR MECHANISM
49-08-0900	1 Lb. Can "B" Grease	
49-14-0200	Grease Gun	
49-68-0020	Tool Retaining Spring	
48-86-0090	Drift Pin	



ALL BALL AND
ROLLER BEARINGS

CONVENIENT
TWO FINGER
TRIGGER
SWITCH

3
POSITION
PIPE
HANDLE

EASY
ACCESS
BRUSH
COVERS

HEAVY-DUTY DEMOLITION HAMMER

*For chipping, chiseling, ramming or
drilling of concrete and asphalt.*

CATALOG NO. 5330 INCLUDES STEEL CARRYING CASE

- Air cushioned double action system delivers maximum blow to bit — yet smooth operating to reduce fatigue
- High strength wear resistant piston does not require piston rings
- Grease after approximately 75 hours — doesn't require hourly or daily oiling
- Completely sealed mechanism excludes abrasive dust inside

CATALOG NUMBER	VOLTS	AMPS	BLOWS PER MIN.	LENGTH	NET WGT. LBS.	SHP. WGT. LBS.
5330	120	10.5	2000	27-1/2"	29	60

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THIS TOOL COMPLIES WITH O.S.H.A. REQUIREMENTS



Fast breakup
of concrete.



Fast breakup
of asphalt.



Clay, compacted
dirt quickly
loosened with
clay spade.

ACCESSORIES FOR NO. 5330 DEMOLITION HAMMER

- A** NO. 48-62-0165 12" BULL POINT
NO. 48-62-0175 20" BULL POINT
B NO. 48-62-0065 12" COLD CHISEL
NO. 48-62-0075 20" COLD CHISEL
C NO. 48-62-0155 SCALING CHISEL
D NO. 48-62-0225 SLOTTING TOOL
E NO. 48-62-0900 BUSHING TOOL
Used to surface concrete.
NO. 48-62-0910 BUSHING TOOL HEAD
replacement.
F NO. 48-62-1000 CLAY SPADE
G NO. 48-62-0350 FROST SPADE
H NO. 48-62-6000 GROUND ROD DRIVER
Drives 5/8" or 3/4" electrical grounding rods.
I STAR DRILLS
NO. 48-88-1003 1" x 18"
NO. 48-88-1122 1-1/8" x 18"
NO. 48-88-1250 1-1/4" x 18"
NO. 48-88-1375 1-3/8" x 18"
NO. 48-88-1500 1-1/2" x 18"
NO. 48-88-1750 1-3/4" x 18"
NO. 48-88-2000 2" x 18"
NO. 48-88-2500 2-1/2" x 18"
J NO. 49-15-0300 TURNING HANDLE for use with Star Drills.



CARRYING CASE NO. 48-55-0725 (When purchased separately)

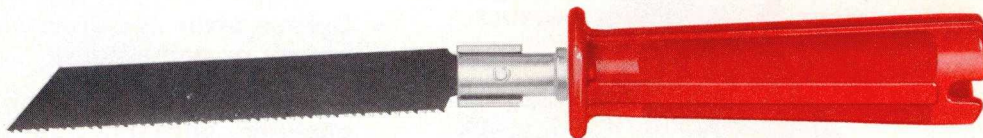
"C" GREASE 1 lb. can NO. 49-08-1000



NEW HEAVY-DUTY JOB SAW

- PERFORMS AS A DRYWALL AND KEYHOLE SAW
- ACCOMMODATES ALL MILWAUKEE SAWZALL® BLADES

Excellent for cutting nails, lath, plasterboard, BX cable, wood, conduit, etc. Cut comfortably in any position by simply turning the saw in your hand. Standard Sawzall blade clamp with wing nut locks blade securely.



NO. 48-08-0400 JOB SAW PACKAGE

Includes NO. 48-00-1064 quality 10 tooth all purpose blade for nail embedded woods, transite, asbestos and fiberboard.

SELECT 1/2" TANG SAWZALL® BLADES (PAGES 36-37) TO FIT JOB SAW

HEAVY-DUTY HACK SAW FRAMES • BLADES



12" HACK SAW FRAME

NO. 48-08-0300

MILWAUKEE Deluxe Hack Saw features a new method of holding blade. Blade cannot "twist" or "wobble", therefore giving a more accurate cutting stroke and a longer blade life. Blade may be positioned to cut sideways absolutely flush with a surface. Cuts completely down to surface. A heavy-duty 12" Hack Saw designed for a lifetime of use.

EXTRA
BLADE
STORAGE



10" TO 12" HACK SAW FRAME

NO. 48-08-0310

MILWAUKEE tubular Hack Saw of strong aluminum die cast construction adjusts for 10" or 12" blades. Smooth, comfortable front and rear handle grips. Locking screw extends all the way through tube for tighter alignment. Tube walls never press against threads of screw. Front stretcher held in snug fitting square hole — not a "punched hole" in thin wall of tubing. Good solid alignment in both 10" and 12" positions.



HIGH SPEED MOLYBDENUM STEEL MILWAUKEE HACK SAW BLADES

PACKAGE OF 10 BLADES

CATALOG NUMBER	LENGTH	TEETH PER INCH	SET
48-43-0010	10"	18	Raker
48-43-0110	10"	24	Wavy
48-43-0120	10"	32	Wavy

PACKAGE OF 10 BLADES

CATALOG NUMBER	LENGTH	TEETH PER INCH	SET
48-43-0050	12"	14	Raker
48-43-0060	12"	18	Raker
48-43-0130	12"	24	Wavy
48-43-0140	12"	32	Wavy



HEAVY-DUTY SAWZALL®

3
BASIC
MODELS

TRIGGER SPEED CONTROL SAWZALL®

NO. 6506 with case

Press **SINGLE TRIGGER** for controlled sawing speeds from 0 TO 2400 strokes per min. The most versatile electric hacksaw available.

TWO SPEED SAWZALL®

2400/1700 strokes/min.
NO. 6531 less case NO. 6511 with case

TWO SPEED DOUBLE INSULATED SAWZALL®

2400/1700 strokes/min.
NO. 6512 with case

SAWZALL®: unsurpassed for overall performance and ruggedness. Cuts any shape in any sawable material. Plunge cuts in wood and other resilient stock... no starting hole required.



STEEL CARRYING CASE
(When purchased separately)
NO. 48-55-1560

RUGGED, SIMPLE RECIPROCATING MECHANISM

built to stand large thrust loads in equal amount from either direction. Only three major moving parts. Heavy duty bearings.



ALL BALL AND ROLLER BEARINGS

DOUBLE INSULATED SAWZALL®

2400/1700 strokes per min. Two independent insulating barriers between electrical windings and spindle. Durable glass reinforced nylon handle. Protective front end boot.

HEAVY-DUTY SAWZALL® SPECIFICATIONS

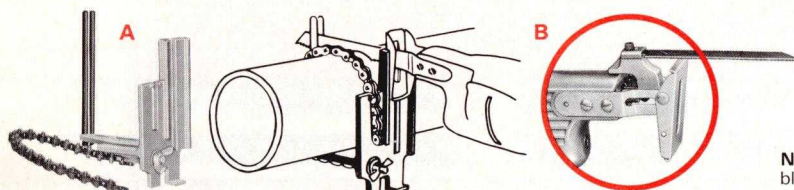
CATALOG NUMBER	VOLTS AC ONLY	AMPS	LENGTH OF STROKE	STROKES PER MINUTE	OVERALL LENGTH (INCHES)	NET WEIGHT (LBS.)	SHIP WEIGHT (LBS.)
TRIGGER SPEED CONTROL SAWZALL®							
6506 With Case	120	4	3/4"	0-2400	16"	7	18
TWO SPEED SAWZALL®							
6531 Less Case	120	4	3/4"	2400/1700	16"	7	10
6511 With Case★	120	4	3/4"	2400/1700	16"	7	18
TWO SPEED DOUBLE INSULATED SAWZALL®							
6512 With Case	120	4	3/4"	2400/1700	16"	7	18

★Available in 240 Volts AC Only. Add -2 after Catalog Number when ordering.

Standard equipment includes Sawzall Blade Card NO. 49-22-1120 for wood and metal — total of 11 blades. Also included are socket wrench and holder, extra blade clamp and screw.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY SAWZALL® ACCESSORIES



A NO. 48-08-0200 SAWZALL® CUT-OFF FIXTURE

Inexpensive time saving accessory, designed to make square accurate cuts thru plastic pipe and other materials up to 4-1/2" O.D. Easily accommodates irregular shapes to 3-1/4" x 4-1/2".

B NO. 48-03-2000 OFFSET BLADE ADAPTER

For close quarter sawing. Extra Blade Clamp and Blade Clamp Screw included.

SEE PAGES 36 AND 37 FOR COMPLETE LINE OF GENUINE SAWZALL BLADES

NO. 49-22-5080 WRENCH, SCREW AND CLAMP KIT consists of 10 blade clamp screws, 2 blade clamps and 2 socket wrenches.

NO. 49-22-5050 WRENCH AND SCREW KIT consists of 25 socket wrenches and 50 blade clamp screws.

NO. 49-96-0070 BLADE CLAMP WRENCH

NO. 48-66-4080 RUBBER FLEX WRENCH HOLDER

NO. 48-55-1560 STEEL CARRYING CASE

NO. 49-08-0500 "A" GREASE for gear case 1/2 lb. can

NO. 49-08-0800 "A" GREASE for gear case 1 lb. can

NO. 49-08-0600 "B" GREASE for mechanism 1/2 lb. can

NO. 49-08-0900 "B" GREASE for mechanism 1 lb. can














HEAVY-DUTY SAWZALL® BLADES

USE ONLY GENUINE SAWZALL® BLADES

SOLD IN BOX
LOTS ONLY
SEE QUANTITY PER
BOX COLUMN

- Custom Milled Teeth, Set and Hardened for Maximum Performance at the Exact Speed of the Sawzall.
- 1/2" Tang Designed to Fit Most Competitive Reciprocating Saws

		CATALOG NUMBER (BOX)	TEETH PER INCH	LENGTH INCHES	QTY. PER BOX	RECOMMENDED FOR CUTTING
Purple — HIGH ALLOY STEEL		48-00-1001	3	3-1/2	10	Nail free woods... fastest cutting... fully hardened to withstand roughest sawing. Teeth, fleam sharpened to shear, not tear wood fibers. Canted shank provides for faster feed, deeper cut and ideal return stroke clearance.
		48-00-1002	3	6	10	
		48-00-1003	3	12	5	
Orange — HIGH ALLOY STEEL		48-00-1011	6	3-1/2	10	Nail embedded woods and composition materials... 12" blade affords flexibility for flush cutting.
		48-00-1012	6	6	10	
		48-00-2011	6	12	5	
		48-00-1013	10	3-1/2	10	For all woods... nail embedded woods, composition materials and light gauge non-ferrous metals.
		48-00-1014	10	6	10	
Green — HIGH ALLOY STEEL		48-00-2012	10	12	5	Nail embedded woods... for opening crates, boxes, removing wood siding and shingles.
		48-00-2013	18	12	5	
		48-00-1021	6	3-1/2	5	All woods including nail embedded woods. Hardened and tempered to resist bend or twist. Even after severe twist, blade springs right back to its original shape.
		48-00-1022	6	6	5	
		48-00-1023	10	3-1/2	5	
Silver — SPRING STEEL		48-00-1024	10	6	5	
		48-00-1031	7	6	5	General roughing-in work in wood and nail embedded woods.
		48-00-1032	7	12	5	
Black — SPRING STEEL		48-00-1033	7	9	5	
		48-00-1034	6	4	10	General roughing-in work in wood and nail embedded woods. Thinner and harder than 1031 series for faster cuts.
		48-00-1035	6	6	10	
Black — SPRING STEEL		48-00-1036	6	9	10	
		48-00-1041	6	6	5	Wood cutting... shear tooth design... fleam sharpened for shearing action... very fast cutting, long blade life.
		48-00-1042	6	12	3	
White — HIGH ALLOY STEEL		48-00-1043	6	9	4	
		48-00-1051	5	3-1/2	10	For plaster, plaster with metal lath, plasterboard. Cuts on both forward and backward stroke.
		48-00-1052	5	6	10	
Black — BAND SAW STEEL		48-00-1061	6	3-1/2	10	For nail free woods, plywood, asbestos and fiber-board... A general purpose economy type blade.
		48-00-1062	6	6	10	
		48-00-1063	10	3-1/2	10	Nail embedded woods, plywood, insulating board, and asbestos. Can also be used for cutting transite. Blade edge hardened.
		48-00-1064	10	6	10	
		48-00-2064▲	10	6	10	
		49-00-1065	18	3-1/2	10	
		48-00-1066	18	6	10	For nail embedded woods, opening wooden crates or boxes, removing wood siding or shingles. Teeth are fully hardened.
		48-00-2066▲	18	6	10	
		48-00-1067	24	3-1/2	10	For light gauge non-ferrous metals.
		48-00-1068	24	6	10	
Black — TUNGSTEN CARBIDE		48-00-1410	SCROLL 0	3-1/2	3	Medium grit; for brick, carbon, claypipe, chalkboard, plywood, hardwood veneer plywood.
Black — TUNGSTEN CARBIDE		48-00-1400†	0	4	3	Coarse grit; for fiberglass (epoxies, polyesters, silicones, malamines).
		48-00-1420†	0	6	3	Nail embedded wood, plaster with nails, asbestos cement.
Silver — SPRING STEEL		48-00-1071	KNIFE	4	10	Sponge, rubber, leather, felt and other resilient materials.

▲ All blades have teeth set to cut on up stroke except blades 48-00-1202, 48-00-2064 and 48-00-2066. These 3 blades have teeth set to cut on down stroke and are recommended when sawing veneers or plywood to prevent splintering on the finish side.








† With 2-Speed and Variable Speed SAWZALL use slower speeds. Carbide blades cut on both the up and down strokes giving better edge finish.



HEAVY-DUTY SAWZALL® BLADES

USE ONLY GENUINE SAWZALL® BLADES

SOLD IN BOX
LOTS ONLY
SEE QUANTITY PER
BOX COLUMN

		CATALOG NUMBER (BOX)	TEETH PER INCH	LENGTH INCHES	QTY. PER BOX	RECOMMENDED FOR CUTTING
Red — HIGH SPEED STEEL		48-00-1101	14	2-1/2	10	Scroll cutting metals. 14 tooth for 1/8" and over; 18 tooth — 18 ga. to 1/8"; 24 tooth — lighter than 18 ga.
		48-00-1102★	18	2-1/2	10	
		48-00-1103★	24	2-1/2	10	
Orange — HIGH SPEED STEEL		48-00-1131	7	4-1/8	5	Plunge cutting wood and sawing back to a line. Hardened teeth and flexible center permits sawing in close-quarters. High resistance to bending or breaking. Ideal for roughing-in.
		48-00-1121	6	3-5/8	5	Sawing intricate shapes and scroll cuts in wood and synthetic structural materials. (1121) a carbon steel economy blade (Gray) (1151) a high speed steel Deluxe blade (Black).
		48-00-1151	6	3-5/8	5	
(SEE CHART)		48-00-1141	7	3-5/8	10	Rough cutting irregular contours in wood, fiberboard, asphalt and asbestos. Spring steel blade. (Black).
		48-00-1201	6	3-5/8	5	High speed steel, hollow ground... Deluxe type... for fast, smooth finish scroll cuts in wood, plastics, formica and fiberglass. (Silver with black shank).
		48-00-1202▲	6	3-5/8	5	
Yellow — HIGH SPEED STEEL		48-00-1161	10	3-5/8	10	Heavy gauge metal, hard rubber and fiber.
		48-00-1162	14	3-5/8	10	
		48-00-2175	10	8	5	Cast iron, steel or copper pipe to 4" dia., and also metal decking materials.
Red — HIGH SPEED STEEL		48-00-1171	14	2-1/2	10	Metal heavier than 1/8" thick, angles, bar stock, hard rubber and fiber.
		48-00-1172	14	4	10	
		48-00-1179	14	6	10	
		48-00-1173★	18	2-1/2	10	Heavy gauge metals, conduit, pipe, channels and tubing.
		48-00-1174★	18	4	10	
		48-00-2170★	18	6	10	
		48-00-1175★	24	2-1/2	10	Metals lighter than 18 gauge sheet, trim and tubing.
		48-00-1176★	24	4	10	
		48-00-2171★	24	6	10	
		48-00-1177	32	2-1/2	10	Very light gauge metals... sheet trim and tubing.
		48-00-1178	32	4	10	
Blue — HIGH SPEED STEEL		48-00-1181	14	4	10	Heavy gauge metals, angles, bar stock 1/8" thick and above. Hard rubber. Teeth are fully hardened. Hardening of blade back limited to provide required resiliency.
		48-00-1182	14	6	10	
		48-00-1183★	18	4	10	Same characteristics as blades 1181 and 1182 except finer teeth for fast cutting of metals 18 gauge to 1/8" thick conduit, pipe, channels and tubing.
		48-00-1184★	18	6	10	
Green — HIGH ALLOY STEEL		48-00-1302	6	12	5	Pruning trees, smooth sawing green woods. Deep tooth design, fleam filed. Clean cuts wood fibers.

★ Some varieties of stainless steel can be cut with these blades.

▲ All blades have teeth set to cut on up stroke except blades 48-00-1202, 48-00-2064 and 48-00-2066. These 3 blades have teeth set to cut on down stroke and are recommended when sawing veneers or plywood to prevent splintering on the finish side.

ECONOMY BLADE ASSORTMENT



NO. 49-22-1080

A special package value includes 45 Sawzall Blades of 18 most popular types of cutting wood or metal. Consists of five each catalog Nos. 48-00-(1063, 1064, 1174); three each 48-00-(1061, 1102, 1183); two each 48-00-(1023, 1024, 1041, 1051, 1062, 1103, 1121, 1141, 1173); one each 48-00-(1031, 1002, 1012).

SAWZALL® BLADE CARD NO. 49-22-1120

Consists of one each of 48-00-(1011, 1023, 1031, 1041, 1064 and 1121) for wood, and 48-00-(1102, 1162, 1171, 1174 and 1182) for metal — a total of 11 blades.

HEAVY-DUTY PORTABLE ELECTRIC BAND SAW

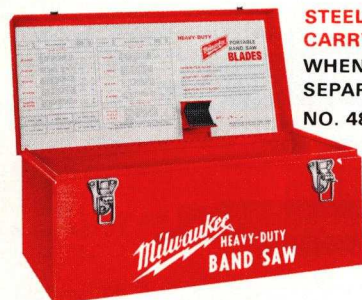
2 SPEED 200 and 250 surface ft. per min.

Cut large cable, pipe or round stock to 3-1/2" O.D., or rectangular stock up to 3-1/2" x 4-1/2". Cuts to within 1" of floor, ceiling or wall.

- Gear drive mechanism is lubricated with grease—no oiling required!
- Precision Needle Bearing Blade Guides
- Ideal for sawing PVC tubing
- Front T-Handle for better control
- Uses standard 44-7/8" x 1/2" x .020 band saw blades



ALL BALL AND ROLLER BEARINGS



**STEEL
CARRYING CASE
WHEN PURCHASED
SEPARATELY
NO. 48-55-1090**

CATALOG NUMBER	NO LOAD SURFACE FT. PER MIN. HIGH LOW	VOLTS AC ONLY	AMPS HIGH LOW	CAPACITY ROUND STOCK	RECTANGULAR STOCK	LGTH. INS.	NET WGT. LBS.	SHP. WGT. LBS.
6225★Less Case	250 200	120	7 4	3-1/2"	3-1/2"x4-1/2"	20	16	23
6226 With Case	250 200	120	7 4	3-1/2"	3-1/2"x4-1/2"	20	16	34

★ Available in 240 Volts AC Only. Add -2 after Catalog Number when ordering. See price sheet.
Standard Equipment includes one No. 48-39-0360 quality 14 tooth high speed steel blade.

**MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS**

MILWAUKEE 44-7/8" x 1/2" x .020 and 53-3/4" x 1/2" x .020 BAND SAW BLADES

HIGH SPEED STEEL BAND SAW BLADES

High Speed Steel blades will outlast carbon steel and alloy steel blades for cutting most materials. Ideal for cutting carbon steel, drill rod and other solid and large diameter hard material.



CATALOG NUMBER	QTY. PER PKG.	RECOMMENDED USE	THICKNESS OF MATERIAL TO BE CUT	TEETH PER INCH	LENGTH
48-39-0350	1	High speed cutting of aluminum,	7/32"-7/8"	10	44-7/8"
48-39-0360	1	angle iron, bronze, brass, cop-	3/16"-5/8"	14	44-7/8"
48-39-0370	1	per, galvanized pipe, mild steel;	5/32"-3/8"	18	44-7/8"
48-39-0380	1	and tougher steels including	3/32"-1/8"	24	44-7/8"
		stainless, chrome, tungsten steels			
		plus other problem material at			
		slow speed			

CATALOG NUMBER	QTY. PER PKG.	RECOMMENDED USE	THICKNESS OF MATERIAL TO BE CUT	TEETH PER INCH	LENGTH
48-39-0450	1	High speed cutting of aluminum,	7/32"-7/8"	10	53-3/4"
48-39-0460	1	angle iron, bronze, brass, cop-	3/16"-5/8"	14	53-3/4"
48-39-0470	1	per, galvanized pipe, mild steel;	5/32"-3/8"	18	53-3/4"
48-39-0480	1	and tougher steels including	3/32"-1/8"	24	53-3/4"
		stainless, chrome, tungsten steels			
		plus other problem material at			
		slow speed			

CARBON STEEL BAND SAW BLADES

CATALOG NUMBER	QTY. PER PKG.	RECOMMENDED USE	THICKNESS OF MATERIAL TO BE CUT	TEETH PER INCH	LENGTH
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CARBON STEEL BLADES An inexpensive utility blade for intermittent use that will cut a wide range of material.

48-39-0050	3	High speed cutting of aluminum, brass, copper, soft bronze, magnesium, wood, mild steel; and tougher steels at slow speed	1/2"-3-3/8"	6	44-7/8"
48-39-0060	3	High speed cutting of aluminum, brass, copper, magnesium, mild steel; and tougher steels at slow speed	3/8"-1"	8	44-7/8"
48-39-0070	3	High speed cutting of aluminum, angle iron, cast iron, bronze,	3/16"-3/4"	10	44-7/8"
48-39-0150	3	brass, copper, galvanized pipe, mild steel; and tougher steels at slow speed	3/16"-3/4"	10	53-3/4"
48-39-0080	3	High speed cutting of aluminum, angle iron, cast iron, bronze,	5/32"-1/2"	14	44-7/8"
48-39-0160	3	brass, copper, galvanized pipe, mild steel; and tougher steels and electric cable at slow speed	5/32"-1/2"	14	53-3/4"
48-39-0090	3	High speed cutting of angle iron, bronze, brass, copper, galvanized	1/8"-1/4"	18	44-7/8"
48-39-0170	3	pipe, thin wall tubing, mild steel;	1/8"-1/4"	18	53-3/4"
48-39-0100	3	and tougher steels at slow speed	3/32"-1/8"	24	44-7/8"
48-39-0180	3		3/32"-1/8"	24	53-3/4"

ALLOY STEEL BAND SAW BLADES

CATALOG NUMBER	QTY. PER PKG.	RECOMMENDED USE	THICKNESS OF MATERIAL TO BE CUT	TEETH PER INCH	LENGTH
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ALLOY STEEL BLADES Give greater blade life and sustain higher shock than carbon steel blades and cut a wider range of materials including tough alloys and structural steel.

48-39-0250	1	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steels including chrome and tungsten steels at slow speed	3/16"-1"	10	44-7/8"
48-39-0260	1	High speed cutting of aluminum, angle iron, cast iron, bronze, brass, copper, galvanized pipe, mild steel; and tougher steels including chrome, tungsten steels and electric cable at slow speed	5/32"-3/4"	14	44-7/8"
48-39-0270	1	High speed cutting of angle iron, bronze, brass, copper, galvanized pipe, thin wall tubing, mild steel; and tougher steels including chrome and tungsten steels at slow speed	1/8"-1/2"	18	44-7/8"
48-39-0280	1	High speed cutting of angle iron, bronze, brass, copper, galvanized pipe, thin wall tubing, mild steel; and tougher steels at slow speed	3/32"-1/8"	24	44-7/8"

HEAVY-DUTY ELECTRIC CHAIN SAWS

16" and 20" SIZES



- CHAIN CUTTING SPEED 2000 FT. PER MIN.
- LIGHTWEIGHT
- NO FUEL...NO FIRE HAZARD
- QUIET, SMOOTH, ELECTRIC MOTOR
- LARGE SAWDUST AND CHIP REMOVAL PORT
- MOST POWERFUL ELECTRIC CHAIN SAW OF ITS SIZE
- FLUSH CUTS...NO HOUSING OR BOLT OVERHANG
- PLUNGER-TYPE CHAIN OILER...ONE PINT CAPACITY
- INSTANT START EVEN IN FREEZING TEMPERATURES

ALL BALL AND ROLLER BEARINGS

CATALOG NUMBER	BAR LENGTH	VOLTS	AMPS	MAXIMUM TOOL POWER OUTPUT H.P.	CUTTING SPEED FT./MIN.	NET WT. LBS.	SH. WT. LBS.
6205★	16"	120	13	2.00	2000	17-1/2	24
6206	20"	120	13	2.00	2000	18-1/2	26

★ Available in 240 Volts. Add -2 after Catalog Number when ordering. See price sheet.

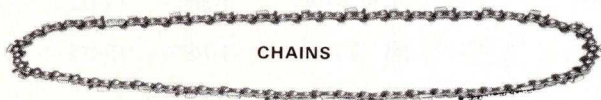
Standard Equipment Includes
Chipper Chain and Wrench.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

ACCESSORIES FOR MODELS 6205 AND 6206 AND PREVIOUS MODELS 6200 AND 6201



GUIDE BARS



CHAINS



FILE AND HOLDER

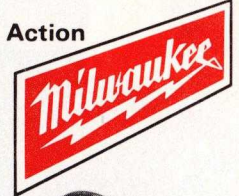
- NO. 48-09-5016 16" GUIDE BAR
- NO. 48-09-5020 20" GUIDE BAR
- NO. 48-58-0016 16" CHIPPER CHAIN
- NO. 48-58-0020 20" CHIPPER CHAIN
- NO. 49-17-0100 FILE AND HOLDER (For use with 3/8" pitch chain)
- NO. 49-22-3010 CHAIN REPLACEMENT KIT (For use with Chipper Chain)
- Includes tie straps and drive link.
- NO. 49-96-6200 CHAIN SAW WRENCH
- NO. 49-08-0500 1/2 LB. TYPE "A" GREASE
- NO. 49-08-0800 1 LB. TYPE "A" GREASE

HEAVY-DUTY CIRCULAR SAWS

CONTRACTORS SAWS

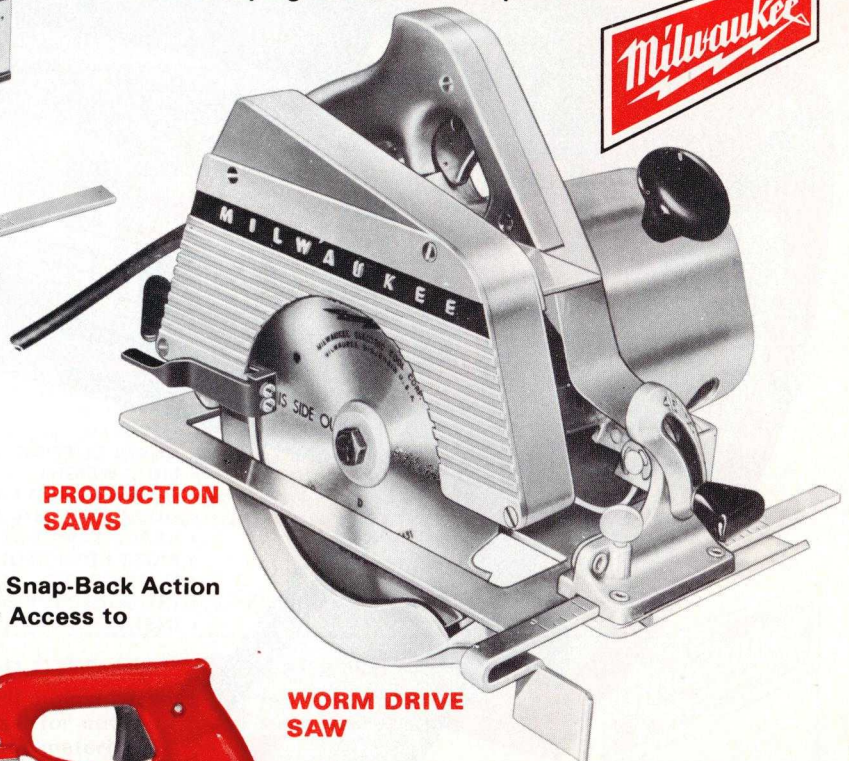


- Only 10-1/2 lbs.
- 2 Position Switch Control
- Ball and Roller Bearings
- Quick, Accurate Miter Adjustments
- Cut 2" Dressed Lumber at 45°
- Telescoping Guard with Snap-Back Action



PRODUCTION SAWS

- Powerful Motor
- Ball and Roller Bearings
- Clear View Line Sighting
- Safe Telescoping Guard with Snap-Back Action
- Split Handle Design for Easy Access to Electrical Connections



WORM DRIVE SAW

- Wide Race and Oversized Ball Bearings
- Handles Not Part of Motor Housing
- Rigid Steel Wrap-Around Shoe
- Fast, Positive Miter and Depth Adjustments
- Oil Plug at Side of Gear Case for Easy Fill
- Up to 1" Lumber Can Be Used on Either Side of Shoe When Ripping Large Panels



EXCLUSIVE

Hardened and precision ground steel worm meshes with alloy bronze gear for long life and smooth operation under all sawing conditions.

BLADE SIZE	CATALOG NUMBER	SAW TYPE	VOLTS	AMPS	"MAXIMUM MOTOR POWER OUTPUT H.P."	NO LOAD SPEED (RPM)	ARBOR	DEPTH OF CUT AT 90°	MAX. DEPTH OF CUT AT 45°	NET WEIGHT	SHIP. WEIGHT
6-1/2"	6293	CONTRACTORS SAW	115	10.5	1.50	5600	5/8"	0 to 2-1/8"	1-3/4"	10-1/2	16
7"	6331	CONTRACTORS SAW	115	10.5	1.50	5400	5/8"	1/4" to 2-3/8"	1-7/8"	10-1/2	16
Standard Equipment: Includes Combination Saw Blade, Rip Guide and 1 ea. 9/16" & 1-3/8" Wrenches.											
7-1/4"	6360	PRODUCTION SAW	120	12.0	1.85	5800	5/8"	0 to 2-17/32"	2-1/32"	14-3/4	22
8-1/4"	6400	PRODUCTION SAW	120	12.0	1.85	5100	5/8"	3/4" to 3-1/32"	2-3/8"	15	22
Standard Equipment: Includes Combination Saw Blade, Rip Guide and 1 ea. 9/16" & 1-3/8" Wrenches.											
7-1/2"	6370★	WORM DRIVE SAW	120	13.0	2.20	4400	DIAMOND	0 to 2-15/32"	2-1/16"	15-3/4	22

Standard Equipment: Includes Combination Blade, 9/16" Blade Wrench, Rip Guide and Lubricant.

★ Available in 240 Volts. Add -2 after Catalog Number when ordering. See price sheet.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

• ACCESSORIES • CIRCULAR SAW BLADES



BLADE ADAPTERS

Spindle flanges to convert arbors for blades with diamond shaped hole or for 5/8" hole.

To convert diamond arbor to 5/8" arbor for Worm Drive Saw. (Steel blades only)

Inner Adapter	Outer Adapter
Catalog No.	Catalog No.
48-03-2400	48-03-2450
(both required)	

To convert 5/8" arbor to diamond arbor on other Saws.

Only Inner Adapter required
Catalog No. 48-03-2500

RIP FENCES

NO. 49-02-0050

For Contractor and Production Saws.

NO. 49-02-0070

For Worm Drive Saw



STEEL CARRYING CASES

NO. 48-55-1050 For Saws Nos. 6360, 6400.

NO. 48-55-1081 For Saws Nos. 6293, 6331.

NO. 48-55-1100 For Saw No. 6370.

MISCELLANEOUS

NO. 49-96-6200 9/16" Utility Wrench

NO. 49-96-6400 1-3/8" Open End Wrench

NO. 49-08-0500 1/2 Lb. Can "A" Grease

NO. 49-08-0800 1 Lb. Can "A" Grease

OIL FOR WORM DRIVE SAW

NO. 49-32-0050 1/2 Pt. Oil

NO. 49-32-0060 1 Pt. Oil

NO. 49-32-0070 1/2 Gal. Oil

**See Your MILWAUKEE
DISTRIBUTOR for
Prices on Bulk Packaged
Combination Blades**

COMBINATION



BLADE DIA. INS.	CATALOG NUMBER	NUMBER OF TEETH	ARBOR HOLE INS.
6-1/2	48-40-1653	16	*
6-1/2	48-40-1655	44	*
7	48-40-1722	18	*
7-1/4	48-40-1740	40	*
7-1/4	48-40-1752	18	*
7-1/2	48-40-1760	20	*
7-1/2	48-40-1763	40	*
8-1/4	48-40-1822	20	*
8-1/4	48-40-1825	44	*

For general sawing. Rip or cross-cut without changing blade.

CROSSCUT-FLOORING



6-1/2	48-40-5655	64	*
7	48-40-5725	70	*
7-1/4	48-40-5755	70	*
7-1/2	48-40-5765	70	*
8-1/4	48-40-5825	80	*

Cut hardwoods, flooring and crating fast. Close-set teeth produce smooth finish and hold edge longer when encountering nails.

RIP-CUT



6-1/2	48-40-8654	36	*
7	48-40-8724	30	*
7-1/4	48-40-8754	30	*
7-1/2	48-40-8764	30	*
8-1/4	48-40-8824	30	*

For high speed production sawing. Hook shaped teeth have alternate set filed square across to cut and not split fibers.

PLANER



6-1/2	48-40-7656*	50	*
7	48-40-7661*	55	*

Hollow ground to produce fine finish or smooth end grain. Minimizes planing and sanding.

PLYWOOD



6-1/2	48-40-4655*	150	*
7	48-40-4658*	200	*

For plywood, wallboard, masonite, light gauge non-ferrous metals, thin plastics. Fine teeth prevent tearing; hold sawdust to minimum.

NON-FERROUS



6-1/2	48-40-6658*	80	*
7	48-40-6661*	70	*

Hollow ground for cutting metals such as aluminum, magnesium, copper and brass.

CARBIDE-TIPPED



6-1/2	48-40-3650	12	5/8
7	48-40-3700	12	5/8
7-1/2	48-40-3750	12	Diamond
8-1/4	48-40-3820	14	5/8

For wood, Transite, Masonite, asbestos, Formica, composition siding, roofing. Chrome plated. Stay sharp up to 50% longer than steel-tipped blades.

CARBIDE-TIPPED



6-1/2	48-40-3660	20	*
7	48-40-3680	24	*
7-1/4	48-40-3725	24	*
8-1/4	48-40-3825	24	*
9	48-40-3830	30	5/8
10	48-40-3840	36	▲

Inexpensive line available with 20, 24, 30 and 36 teeth. Carbide teeth are electronically fused to blade for stronger bond. Designed for use by the contractor for wood, Transite, Masonite, asbestos, Formica, siding and roofing.

ABRASIVE CUTTING WHEELS



FOR STONE OR CONCRETE *			
6	49-92-3220	5/8	
7	49-92-4310	5/8	
7-1/4	49-92-4370	Diamond	
8	49-92-5000	5/8	

For cutting stone or concrete. Safety reinforced nylon... bonded of uniform grit and break resistant.

FOR METAL *			
6	49-92-3020	5/8	
7	49-92-4300	5/8	
7-1/4	49-92-4380	Diamond	
8	49-92-5010	5/8	

For cutting metal. Safety reinforced nylon... bonded of uniform grit and break resistant.

* 5/8" arbor hole with knockout for diamond arbor.

▲ 5/8" arbor hole with 3/4" knockout.

* For 6-1/2" thru 8-1/4" saws.

HEAVY-DUTY JIG SAWS

2 NEW MODELS



SINGLE SPEED
3900 STROKES PER MIN.

VARIABLE SPEED
WITH TRIGGER SPEED CONTROL
0 TO 3900 STROKES PER MIN.

MILWAUKEE JIG SAW FEATURES:

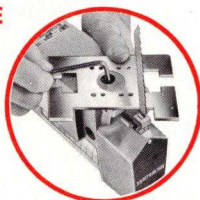
- **PIVOTING HEAD**

Cutting head is adjustable — right or left — to full 45° angle ... calibrated settings.



- **TURN AND LOCK SHOE**

Shoe quickly adjusts for straight, miter or flush cuts ... adaptable for every sawing application.



- **3/4" BLADE STROKE**

- **SAWDUST BLOWER**
KEEPS CUTTING LINES FREE

- **POWERFUL HEAVY-DUTY MOTOR**

NEW TRIGGER SPEED CONTROL

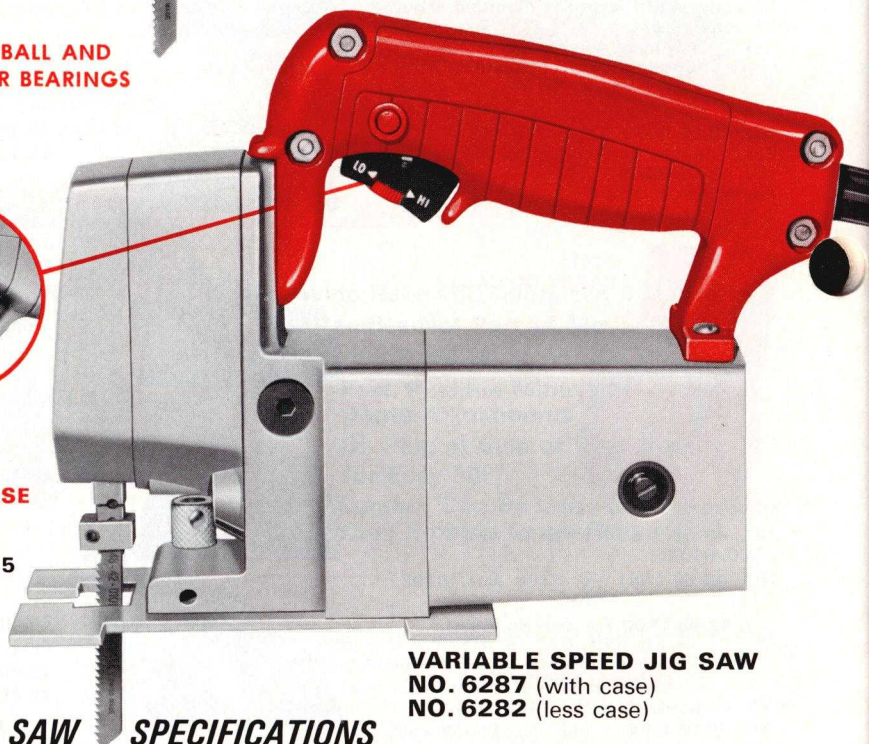
Simply depress trigger for various speeds from 0 to 3900 strokes per min. For selecting a preset speed between 0 and 3900 adjust knurled button in trigger switch and depress trigger. Lock button provided on all models.



ALL BALL AND ROLLER BEARINGS



SINGLE SPEED JIG SAW
NO. 6272 (with case)
NO. 6252 (less case)



VARIABLE SPEED JIG SAW
NO. 6287 (with case)
NO. 6282 (less case)



STEEL CARRYING CASE
when Purchased Separately
NO. 48-55-1075

JIG SAW SPECIFICATIONS

CATALOG NUMBER	VOLTS	AMPS	STROKES PER MIN.	LGTH.	W.	HT.	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
SINGLE SPEED JIG SAW								
6272 With Case	120 AC	2.3	3900	8-1/2"	3-1/2"	6-1/2"	5	14-1/2
6252 Less Case	120 AC	2.3	3900	8-1/2"	3-1/2"	6-1/2"	5	8
VARIABLE SPEED JIG SAW								
6287 With Case	120 AC ONLY	2.3	0-3900	8-1/2"	3-1/2"	6-1/2"	5	14-1/2
6282 Less Case	120 AC ONLY	2.3	0-3900	8-1/2"	3-1/2"	6-1/2"	5	8

Standard equipment includes Jig Saw Blade Card No. 49-22-1160 for wood and metal — a total of 10 blades. Also included are a combination circle and rip guide, two socket wrenches, an extra blade clamp screw and one No. 48-66-4080 key holder.

WRENCH AND SCREW KITS

NO. 49-22-5070 For Jig Saws serial no. 281-11240 (single speed) and above and serial no. 334-1415 (variable speed) and above. Consists of five No. 49-96-0050 3/32" Socket Wrenches for blade clamp, five No. 49-96-0080 3/16" Socket Wrenches for pivoting head and shoe adjustments. Also twenty blade clamp screws.

NO. 49-22-5060 For Jig Saws below serial no. 281-11240 (single speed) and serial no. 334-1415 (variable speed). Consists of five No. 49-96-0060 1/8" Socket Wrenches for blade clamp, five No. 49-96-0080 3/16" Socket Wrenches for pivoting head and shoe adjustments. Also twenty blade clamp screws.

TYPE "A" GREASE NO. 49-08-0500 1/2 Lb. Can

TYPE "A" GREASE NO. 49-08-0800 1 Lb. Can

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

JIG SAW BLADES

UNIVERSAL 1/4" TANG FITS
MOST BRANDS OF JIG SAWS

CATALOG
NUMBER
(BOX OR PKG.)

LGTH.
(IN.)

TEETH
PER
INCH

QTY.
PER
PKG.

MILWAUKEE JIG-SAW BLADES
RECOMMENDED FOR CUTTING

METAL CUTTING... High Speed Steel

48-42-0100	2-3/4	12	5	Steel to 1/8", non-ferrous metals to 1/4", plastics, asbestos, fiberglass, rigid conduit, hard rubber and fiber.
48-42-0101	2-3/4	12	5	Same as above. 25% thicker for most severe applications.
48-42-0120	2-3/4	18	5	Metals 18 Ga. to 10 Ga., tubing, plastics.
48-42-0140	2-3/4	21	5	Metals lighter than 18 Ga., thin wall tubing, slate, formica.

WOOD CUTTING... GENERAL PURPOSE... High Carbon Steel

48-42-0200	3-1/8	6	5	Pocket and roughing cuts on heavier sections. Fiberboard, asbestos, asphalt.
48-42-0220	3-1/8	8	5	Same as 6 tooth, but for smoother finish.
48-42-0240	3-1/8	8	5	Same as above except taper ground for smoothest sawing.

WOOD CUTTING... FLUSH CUTTING... High Carbon Steel

48-42-0300	3-5/8	8	4	Same use as 6 tooth General Purpose. Saws up to a wall.
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WOOD CUTTING... DELUXE... High Speed Steel

48-42-0400	3-1/8	6	5	"Shear tooth" for fast roughing work on light and medium sections. Pocket cuts.
48-42-0420	3-5/8	6	4	Same as above for fast roughing work on heavier sections.

WOOD CUTTING... DELUXE TAPER GROUND... High Speed Steel

48-42-0500	3-5/8	6	5	Fast finish work on medium sections (1/2"-3/4") of plywood, formica, wood.
48-42-0520	3-5/8	6	4	Fast finish work on medium to heavy sections (1/2"-3/4").
48-42-0540	3-5/8	10	5	Fast finish work on light sections (1/4") thick of plywood, formica, wood.
48-42-0560	3-5/8	10	4	Fast finish work on light to medium sections (1/4"-3/8").
48-42-0600	3-5/8	6	5	Tight smooth scroll work. No distortion on curves. Saws plywood, formica, decorative veneers, plastics, etc. Thickness to 3/4".
48-42-0620	3-5/8	10	5	Same as above to thicknesses of 1/2".

WOOD CUTTING... DELUXE TAPER GROUND... High Carbon Steel

48-42-0640	3-1/4	12	5	Reverse tooth for smooth finish on top surface. Saws plywood, formica, decorative veneers, plastics, etc.
48-42-0650	2-3/4	12	5	Wavy set, extra thin for tight smooth scroll work.

KNIFE CUTTING... High Carbon Steel

48-42-0700	2-1/2	0	5	Cuts insulating material, leather, rubber, cardboard, sponge, felt, acoustical tile.
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ABRASIVE MATERIALS... Medium Grit Tungsten Carbide

48-42-0800	2-7/8	0	4	Plywood, hardwood veneer, fiberglass, (polyesters, epoxies, melamines, silicones), ceramic tile, cast stone, slate, clay pipe, carbon, brick, chalkboard.
48-42-0810	4	0	4	Same as above. Flush cuts to a wall.

ABRASIVE MATERIALS... High Speed Steel

48-42-0850	4	8	5	Straight cutting in fiberglass, tough abrasive material, asbestos, 1/8"-5/8" non-ferrous metals, synthetics up to 3/4" and plasterboard.
48-42-0860	4	8	5	Same as above but thinner for fast scroll cutting.

JIG SAW BLADE CARD NO. 49-22-1160

Same as furnished with each Jig Saw. Consists of one each Nos. 48-42-0100, 0120 and 0140 for metal, and Nos. 48-42-0200, 0220, 0240, 0300, 0400, 0600 and 0640 for wood — a total of 10 blades.



HEAVY-DUTY ORBITAL SANDERS

- DIRECT DRIVE...NO GEARS OR BELTS
- HIGH SPEED...10,000 ORBITS PER MINUTE
- LEAVES NO SWIRL MARKS

NEW
NO. 6005
FASTER
SANDING

WITH LARGER SIZE FELT PAD
(4-1/2" x 9-1/8")

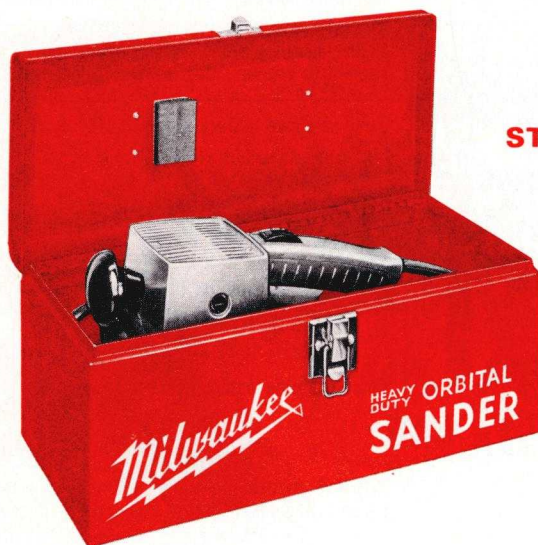
Use 1/2 of Standard 9" x 11" Sandpaper

BALL AND ROLLER
BEARINGS

NO. 6000
WITH FELT PAD

NO. 6002
WITH RUBBER PAD

PAD SIZE (BOTH MODELS) 3-5/8" x 7-3/8"
Use 1/3 of Standard 9" x 11" Sandpaper



STEEL CARRYING CASE

NO. 48-55-0850

FOR ALL MODELS

Order Steel Carrying Case Separately

CATALOG NUMBER	VOLTS	AMPS	DESCRIPTION	ORBITS PER MINUTE	DIAMETER OF ORBIT	LENGTH	WIDTH	HEIGHT	NET WEIGHT POUNDS	SHIPPING WEIGHT POUNDS
6000 ★	120	2	WITH FELT PAD 3-5/8" x 7-3/8"	10,000	1/8"	10-1/4"	3-9/16"	5-3/4"	5	9
6002	120	2	WITH RUBBER PAD 3-5/8" x 7-3/8"	10,000	1/8"	10-1/4"	3-9/16"	5-3/4"	5	9
6005	120	2	WITH FELT PAD 4-1/2" x 9-1/8"	10,000	1/8"	11-1/8"	4-1/2"	5-3/4"	5-1/2	9-1/2

★ Available in 240 Volts. Add -2 after Catalog Number when ordering. See price sheet.

NEW HEAVY-DUTY BELT SANDERS

2 MODELS

3" x 24" MODEL
NO. 5900

4" x 24" MODEL
NO. 5910

4" MODEL SANDS FLUSH

BEST HEAVY-DUTY PERFORMANCE SANDERS AVAILABLE. BELT DRIVE REQUIRES NO GEAR MAINTENANCE. NO OIL. EXCLUSIVE... FAST CONVERSION TO DUST COLLECTION SYSTEM

- Sturdy durable construction... excellent balance.
- Superior tracking qualities... simple positive adjustments.
- New powerful MILWAUKEE motor.
- Belt removal arrangement easy to operate.
- Positive brush stop... prevents spring from damaging commutator.
- High, out of way, cord position. Heavy-duty strain relief.
- All ball bearing construction.
- Easy access to switch and lock button.
- Heavy-duty striker bar for long life.



MILWAUKEE ELECTRIC TOOL CORPORATION
CERTIFIES THAT THESE TOOLS COMPLY
WITH O.S.H.A. REQUIREMENTS

CATALOG NUMBER	BELT SPEED S FPM	BELT SIZE	VOLTS	AMPS	NET. WGT. LBS.	SH. WGT. LBS.
5900*	1700	3"	120	9.5	15-3/4	19
5910*	1700	4"	120	9.5	16	19

* Available in 240 Volts. Add -2 after Catalog Number.

VACUUM BAG KIT NO. 48-09-0100

For Models 5900 and 5910

Consists of vacuum bag, rear motor housing cover, bolt, vacuum heel, gasket



NOTE: VACUUM BAG KIT IS MILWAUKEE EXCLUSIVE... PERMITS USING THE SANDER WITH OR WITHOUT VACUUM BAG. CONVERTS IN MINUTES.

SANDING BELTS FOR BELT SANDERS



CATALOG NUMBER	SIZE	BELTS PER PKG.	GRIT	USE
COURSE				
49-37-3036	3 x 24	10	36	For fast sanding of wood and non-ferrous material.
49-37-4036	4 x 24	10	36	
MEDIUM				
49-37-3060	3 x 24	10	60	For general smoothness of wood or metal.
49-37-4060	4 x 24	10	60	
FINE				
49-37-3120	3 x 24	10	120	For finish work on wood or metal.
49-37-4120	4 x 24	10	120	

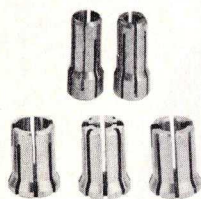
HEAVY-DUTY ROUTERS

ALL BALL AND
ROLLER BEARINGS



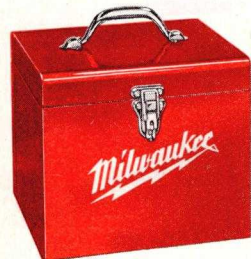
- **ACCURATE SIMPLE DEPTH ADJUSTMENT**
Adjusting ring, marked in 1/64" graduations, permits friction-free operation with locking device to maintain depth-of-cut.
- **HEAVY-DUTY SUB BASE**
With large openings for maximum visibility.

COLLETS FOR MILWAUKEE ROUTERS



For 1.00 H.P. Models 5620 and 5610
NO. 48-66-0930 1/4" COLLET
NO. 48-66-0940 3/8" COLLET

For 1.50 H.P. Models 5660 and 5650
NO. 48-66-0945 1/4" COLLET
NO. 48-66-0950 3/8" COLLET
NO. 48-66-0955 1/2" COLLET



STEEL CARRYING CASE

STEEL CARRYING CASE FOR MILWAUKEE ROUTERS
NO. 48-55-0810

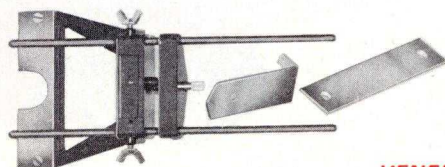
ROUTER GUIDE NO. 49-54-0200

For straight cuts.

TRAMMEL POINT ASSEMBLY NO. 49-54-0210
For cutting circles.

VENEER TRIM KIT NO. 49-54-0300

For cutting hard plastic laminates. Comes complete with base, mounting screws, combination straight and bevel trim bit and extra nylon guide.



ROUTER GUIDE

2 MODELS: 1.00 HP 8 AMPS 1.50 HP 10 AMPS

• MOST POWERFUL 1.00 and 1.50 HP ROUTERS ON THE MARKET

The highest amp ratings of any routers in their class.
Reserve horsepower for extra heavy-duty jobs.

• FUNCTIONAL TRIGGER-HANDLE GROUPING

• OUT-OF-WAY ELECTRIC CORD

• FLAT TOP FOR STEADY POSITIONING

For changing bits, removing base or measuring bit for depth of cut.

CATALOG NUMBER	VOLTS AC	AMPS	MAXIMUM TOOL POWER OUTPUT H.P.	NO LOAD SPEED RPM	COLLET CAPACITY	SUB BASE DIA.	OVER-ALL HGT.	NET WGT. LBS.	SH. WGT. LBS.
5620	120	8	1.00	23,000	1/4"-3/8"	6"	8"	8	10
5660★	120	10	1.50	23,000	1/4"-3/8"-1/2"	6"	8"	8-1/2	11

★ Available in 240 Volts AC. Add -2 after Catalog Number when ordering. See price sheet.

STANDARD EQUIPMENT

1.00 HP ROUTER model 5620 includes a 1/4" collet (cat. no. 48-66-0930), 2 open end wrenches (7/8" open end cat. no. 49-96-4070) and router base (cat. no. 48-10-0060).
1.50 HP ROUTER model 5660 includes a 1/4" collet (cat. no. 48-66-0945), 2 open end wrenches (7/8" open end, cat. no. 49-96-4070 and a 1-1/8" open end cat. no. 49-96-4080) and router base (cat. no. 48-10-0060).

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT
THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS



MOTOR



MOTORS ONLY

NO. 5610 Motor for 1.00 H.P. Unit

NO. 5650★ Motor for 1.50 H.P. Unit

Motor includes 2 wrenches, 1/4" collet, adjusting ring and power cord.

★ Available in 240 Volts AC. Add -2 after Catalog Number when ordering.

See price sheet.

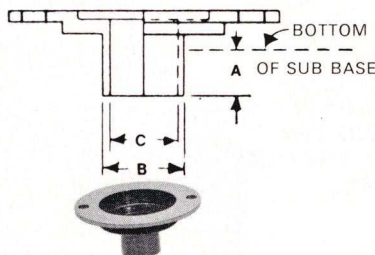
BASE



BASE ONLY NO. 48-10-0060 For 1.00 and 1.50 H.P. units. Base includes 2 handles, sub base and wing lock nut.

GENERAL TEMPLATE GUIDES AND HINGE BUTT GUIDE

For 1.00 H.P. and 1.50 H.P. Routers (Includes 2 screws)



TEMPLATE	A	B	C	CATALOG NUMBER
GENERAL	5/16	1/4	3/16	49-54-0500
GENERAL	3/16	3/8	5/16	49-54-0510
GENERAL	5/16	7/16	3/8	49-54-0520
GENERAL	3/16	5/8	9/16	49-54-0530
HINGE BUTT	7/16	5/8	9/16	49-54-0550

VENEER TRIM KIT

OPEN END WRENCHES (See Standard Equipment)

7/8" WRENCH NO. 49-96-4070

1-1/8" WRENCH NO. 49-96-4080

DOOR AND JAMB BUTT TEMPLATE KIT NO. 49-54-0100

Includes carrying case, template, link rail assemblies, template nails and end gauges. Will mortise any 6"6", 6"8" or 7" door and any hinge size 2-1/2" to 5-1/2". Kit includes detailed instructions for proper use. Additional template nails (12 per package) are available (cat. no. 49-54-0600). Order hinge butt template guide (cat. no. 49-54-0550) separately.

CARRYING CASE ONLY FOR DOOR AND JAMB BUTT KIT NO. 48-55-0800



DOOR AND JAMB BUTT TEMPLATE KIT



HEAVY-DUTY ROUTER BITS

HIGHEST QUALITY FOR BEST PERFORMANCE AND LONG LIFE

MILWAUKEE ROUTER BITS are a select line, made from high-speed steel, carbide tipped and solid carbide steel. Each bit has been carefully evaluated and approved for use with the new routers. Double-ground edges, consistent matching contours, high speed geometry and critical hardness control all add up to maximum accuracy and economy.

COMBINATION STRAIGHT AND 22° BEVEL TRIM BIT

Combines 22° bevel trim and flush trim cuts in one bit.

CARBIDE TIPPED

CATALOG NUMBER	A DEGREES	D IN.
48-23-6715	22	1/4

7-1/2° BEVEL TRIMMER

With pilot. For finish trim edge on plastic laminate doors, tables and furniture.

SOLID CARBIDE

CATALOG NUMBER	A DEGREES	C IN.	D IN.
48-23-5195	7	1-5/8	1/4

FLUSH TRIM BIT

With pilot. Produces square, flush edge on plastic laminates.

SOLID CARBIDE

CATALOG NUMBER	A IN.	C IN.	D IN.
48-23-5235	1/4	1-5/8	1/4

PROVINCIAL DESIGN VEINER BITS

Most practical for veining designs on panels, cabinet doors and furniture.

SOLID CARBIDE

CATALOG NUMBER	A IN.	C IN.	D IN.
48-23-5295	1/8	1-1/2	1/4
48-23-5300	3/16	1-1/2	1/4

HELIX LAMINATE TRIMMERS

Designed to force the laminate against backing for chip free cuts — eliminates surface flake out. Replaceable ball bearing pilot.

CARBIDE TIPPED

CATALOG NUMBER	TYPE OF CUT	A IN.	B IN.	C IN.	D IN.
48-23-6700	Flush	3/4*	5/8	1	1/4
48-23-6710	15°	3/4*	3/8	1	1/4

*Replaceable Bearing 49-54-1050.

TWO WING SLOTTING CUTTERS

Used for slotting plywoods and core boards for "T" moldings.

CARBIDE TIPPED

CATALOG NUMBER	A IN.	B IN.	C IN.
48-23-8000	1/16	1-7/8	5/16
48-23-8010	5/64	1-7/8	5/16
48-23-8020	3/32	1-7/8	5/16
48-23-8030	1/4	1-7/8	5/16

*Stiffening Collars included with Slotting Cutters — two each for 1/16", 5/64" and 3/32" and one for 1/4".

NOTE

USE ABOVE WITH
SLOTTING CUTTER ARBOR
Catalog No. 48-23-8050

Includes 1/4" shank Slotting Cutter Arbor, Nut Washer and Bearing.
Replacement Arbor Bearing No. 49-54-1080.

COMBINATION PILOT PANEL BITS WITH DRILL POINTS — SINGLE FLUTE

For trimming veneer and for template panel routing.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.	E IN.
48-23-1010	1/4	3/4	1	1/4	2-5/8
48-23-1015	3/8	7/8	1	3/8	3

CARBIDE TIPPED

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.	E IN.
48-23-6000	1/4	7/8	1-1/4	1/4	2-1/2
48-23-6020	3/8	1	1-1/4	3/8	3

DOWN SPIRAL PILOT PANEL BITS WITH DRILL POINTS

For cutting aluminum sheet, plywood, wall panels, insulation sheathing and other synthetic materials.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1020	1/4	3/4	2-5/8	1/4
48-23-1025	3/8	7/8	3-1/2	3/8
48-23-1030	1/2	1-3/4	4-1/2	1/2

PILOT PANEL BIT — SINGLE FLUTE

For trimming veneer and for template panel routing.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1000	1/4	3/4	1-5/16	1/4

STRAIGHT BITS — TWO FLUTES

For all general purpose routing (rabbeting, grooving, dadoing, etc.). Smooth finish cuts. Use long shank bits where nature of cut requires longer shank extension.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0050	1/4	3/4	1-1/4	1/4
48-23-0055	1/4	1	1-1/4	1/4
48-23-0060	5/16	3/4	1-1/4	1/4
48-23-0070	3/8	3/4	1-1/4	1/4
48-23-0075	7/16	7/8	1-1/4	1/4
48-23-0080	1/2	7/8	1-1/4	1/4
48-23-0130	1/2	1-1/8	1-7/16	1/2
48-23-0085	9/16	1	1	1/4
48-23-0090	5/8	7/8	1-1/4	1/4
48-23-0095	11/16	1	1	1/4
48-23-0100	3/4	7/8	1-1/4	1/4
48-23-0150	3/4	1-1/8	1-7/16	1/2
48-23-0155	13/16	1-1/8	1-7/16	1/2
48-23-0160	7/8	1-1/8	1-7/16	1/2
48-23-0170	1	1-1/8	1-7/16	1/2

CARBIDE TIPPED

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-5055	1/4	3/4	1-1/4	1/4
48-23-5056	1/4	1	1-1/4	1/4
48-23-5065	5/16	1	1-1/4	1/4
48-23-5070	3/8	1	1-1/4	1/4
48-23-5080	1/2	1	1-1/4	1/4
48-23-5141	1/2	1-1/4	1-3/8	1/2
48-23-5142	1/2	2	1-7/8	1/2
48-23-5090	5/8	3/4	1-1/4	1/4
48-23-5100	3/4	3/4	1-1/4	1/4
48-23-5150	3/4	3/4	1-3/8	1/2

STRAIGHT BITS — SINGLE FLUTE

For all general purpose routing (rabbeting, grooving, dadoing, etc.). Fast rough cuts. Use long shank bits where nature of cut requires longer shank extension.

HIGH SPEED STEEL

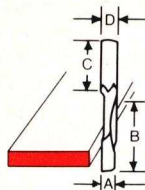
CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0010	1/16	3/16	1	1/4
48-23-0015	1/8	5/16	1	1/4
48-23-0040	3/16	5/8	1-1/4	1/4
48-23-0045	1/4	1	1-3/16	1/4

HEAVY-DUTY ROUTER BITS



STAGGER TOOTH STRAIGHT BIT

Excellent for cut outs. This design gives the bit two flute balance with single flute cutting speed.

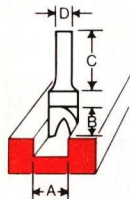


CARBIDE TIPPED

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-5143	1/2	2	1-5/8	1/2

HINGE MORTISING BITS

Fast cutting bit for making mortises when cut is started from edge of work.



HIGH SPEED STEEL

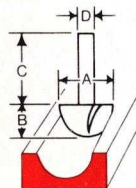
CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1100	3/8	7/16	1-1/8	1/4
48-23-1110	7/16	3/8	1-1/8	1/4
48-23-1120	1/2	13/32	1-1/8	1/4

CARBIDE TIPPED

48-23-6100	1/2	3/4	1-7/32	1/4
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CORE BOX BITS—TWO FLUTES

Especially effective in fluting flat surfaces (mantels and facades).

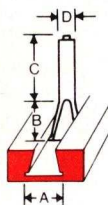


HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0200	1/4	1/4	1	1/4
48-23-0210	3/8	3/8	1-1/4	1/4
48-23-0220	1/2	11/32	1	1/4
48-23-0230	5/8	1	1-1/4	1/4
48-23-0240	3/4	15/32	1	1/4

DOVETAIL BITS

For making dovetail.

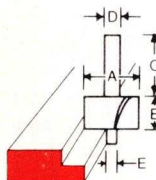


HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-1300	9/32	3/8	1-1/4	1/4
48-23-1310	9/16	17/32	1-3/32	1/4

RABBETING BITS

With pilot. For making rabbeting cuts without use of router guide. Carbide tip bit has replaceable ball bearing pilot.



HIGH SPEED STEEL

CATALOG NUMBER	RABBIT DEPTH IN.	A IN.	B IN.	C IN.	D IN.	E IN.
48-23-1400	1/4	11/16	7/16	1	1/4	3/16
48-23-1410	3/8	15/16	1/2	1	1/4	3/16

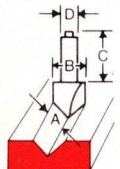
CARBIDE TIPPED

48-23-6400	3/8	1-1/4	1/2	1-1/2	1/4	*
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* REPLACEMENT BALL BEARING 49-54-1060... By substituting Bearing 49-54-1070, rabbet depth can be increased to 1/2".

V-GROOVING BITS

Excellent for lettering and sign work.

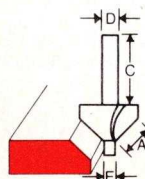


HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0600	9/32	3/8	1	1/4
48-23-0610	5/8	1	1	1/4

CHAMFERING BITS—TWO FLUTES

With pilot. For decorative edging and making concealed joints. Carbide tip bit has replaceable ball bearing pilot.



HIGH SPEED STEEL

CATALOG NUMBER	A IN.	C IN.	D IN.	E IN.
48-23-1200	5/8	1	1/4	3/16

CARBIDE TIPPED

48-23-6200	5/8	1	1/4	*
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* Replaceable Bearing 49-54-1090.

CORNER ROUNDING BITS

With pilot. For decorative edging and for drop leaf table joints. Carbide tip bits have replaceable ball bearing pilot.

HIGH SPEED STEEL

CATALOG NUMBER	A IN. RADIUS	C IN.	D IN.	E IN.
48-23-0400	3/16	1	1/4	3/16
48-23-0410	1/4	1	1/4	3/16
48-23-0420	5/16	1	1/4	3/16
48-23-0430	3/8	1	1/4	3/16
48-23-0440	1/2	1	1/4	3/16

CARBIDE TIPPED

48-23-5410	1/4	1	1/4	*
48-23-5430	3/8	1	1/4	*

* Replaceable Bearing 49-54-1060... Converts to Beading Bit by substituting Bearing No. 49-54-1070.

COVE BITS—TWO FLUTES

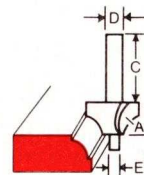
With pilot. For decorative edging and for drop leaf table joints.

HIGH SPEED STEEL

CATALOG NUMBER	A IN. RADIUS	B IN.	C IN.	D IN.	E IN.
48-23-0300	3/16	1/2	1	1/4	3/16
48-23-0310	1/4	1/2	1	1/4	3/16
48-23-0320	3/8	3/4	1	1/4	3/16
48-23-0330	1/2	25/32	1	1/4	3/16

BEADING BITS—TWO FLUTES

With pilot. For decorative furniture. Pilot guides router along edge of work. Carbide tip bits have replaceable ball bearing pilot.



HIGH SPEED STEEL

CATALOG NUMBER	A IN. RADIUS	B IN.	C IN.	D IN.	E IN.
48-23-0500	1/16	1/4	1	1/4	3/16
48-23-0510	1/8	3/8	1	1/4	3/16
48-23-0520	1/4	1/2	1	1/4	3/16
48-23-0530	3/8	3/4	1	1/4	3/16

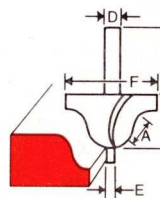
CARBIDE TIPPED

48-23-5520	1/4	1/2	1	1/4	*
48-23-5530	3/8	5/8	1	1/4	*

* Replaceable Bearing 49-54-1070... Converts to Corner Rounding Bit by substituting Bearing 49-54-1060.

ROMAN OGEE BITS

With pilot. For decorative furniture. Pilot guides router along edge of work.



HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.	E IN.	F IN.
48-23-0800	5/32	1/2	1	1/4	3/16	15/16
48-23-0810	1/4	3/4	1	1/4	3/16	1-3/16

VEINING BITS—SINGLE FLUTE

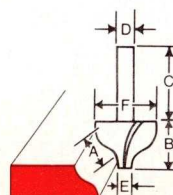
For decorative line work on any flat surface.

HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.
48-23-0700	1/8	5/16	1	1/4
48-23-0710	3/16	7/16	1	1/4
48-23-0720	7/32	7/16	1	1/4

OGEE BITS

For decorative cuts. Clamp straight edge or template on the work and use as a guide for the outside edge of router base.



HIGH SPEED STEEL

CATALOG NUMBER	A IN.	B IN.	C IN.	D IN.	E IN.	F IN.
48-23-0900	3/16	5/8	1	1/4	3/16	13/16
48-23-0910	9/32	29/32	1	1/4	3/16	1-3/16

HEAVY-DUTY POLISHERS

3 MODELS

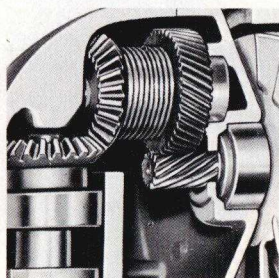
7" DIAMETER
1750 RPM
2800 RPM

9" DIAMETER
1450 RPM



BALL AND ROLLER BEARINGS

**ALL MODELS
WITH EXCLUSIVE
SPRING LOADED
DRIVE MECHANISM**



Prevents harmful backlash shock of unbalanced pads to drive mechanism — won't slip under load — greatly extends gear life.

7" Dia. Cat. No. 5450 Lightweight polisher, 1750 RPM used with standard liquid polishes. Standard equipment includes rubber backing pad, disc nut and polishing pad.

7" Dia. Cat. No. 5530 Lightweight polisher, 2800 RPM for exclusive use with high speed liquid machine polishes. Standard equipment includes rubber backing pad, disc nut and polishing pad.

9" Dia. Cat. No. 5590 More powerful polisher, 1450 RPM. Handles the larger diameter pads and bonnets. Especially recommended for rubbing and compounding. Standard equipment includes rubber backing pad, disc nut and polishing pad.

CATALOG NUMBER	PAD DIA.	VOLTS	AMPS	SPEED NO LOAD (RPM)	LENGTH (INS.) +	NET WGT. LBS.	SH. WGT. LBS.
5450	7"	120	9	1750	14-1/2	9-1/4	16
5530	7"	120	9	2800	14-1/2	9-1/4	16
5590	9"	120	10	1450	15-1/4	12-3/4	20

+ Over-all length of tool only — not including pad.

**MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS**

MILWAUKEE HEAVY-DUTY POLISHER ACCESSORIES

BONNET CLEANING TOOL NO. 49-80-0050

Quickly fluffs, cleans, buffing pads and bonnets while pads are rotating. Removes glazed surface and loosens packed wool to prolong life. Shp. Wt. 1 lb.



**MOLDED
RUBBER
BACKING
PAD**



**POLISHING
PAD**



**LAMBSWOOL
PAD**



**LAMBSWOOL
BONNET**

CATALOG NUMBER	DESCRIPTION
49-36-2500	7" dia. Molded Rubber Pad
49-36-2200	8-1/2" dia. Molded Rubber Pad
49-40-0160	Disc nut
49-36-1400	7-1/2" dia. Polishing Pad
49-36-1600	9" dia. Polishing Pad
49-36-0500	7" dia. Lambswool Pad
49-36-0700	9" dia. Lambswool Pad
48-48-0500	7" dia. Lambswool Bonnet
48-48-1000	9" dia. Lambswool Bonnet
49-08-1000	Type "C" Grease 1 lb. Can

HEAVY-DUTY SANDER-GRINDERS

ALL *NEW* MORE POWERFUL MOTORS

- New lamination, specifically designed for heavy duty portable tool application.
- Computer optimized winding design.
- Higher H. P. per pound.
- Cooler operation.
- Reduced arcing at brushes, promoting longer brush and commutator life.
- Field windings completely encased in hard epoxy shell for protection against abrasion and grounds.
- Armature windings and laminations insulated from shaft for maximum protection against grounds.

50% more POWER



13 AMP
5000 RPM
6082

13 AMP
6000 RPM
6084

13 AMP
5000 RPM
6022

13 AMP
5000 RPM
6062

13 AMP
5000 RPM
6102

HEAVY-DUTY SANDER-GRINDERS

PLUS MILWAUKEE FEATURES:

BALL BEARING MOUNTED ROTOR ASSEMBLY is dynamically balanced and vibration free.

EXTERNAL BRUSH HOLDERS permit inspection and replacement of brushes without disassembly of grinders.

HEAVY-DUTY URETHANE TOOL REST absorbs shock — prevents damage to housing.

REMOVABLE SIDE HANDLE for use on either side of grinder.

LARGE FAN AND EXHAUST PORTS direct air over disc — dissipates heat and keeps work area free of dust and grit.

ALL MILWAUKEE SANDER-GRINDERS AND DISC SANDER CAN BE USED WITH DISC ASSEMBLIES AND ACCESSORIES AS SHOWN ON PAGES 52 AND 53.

TYPE "C" GREASE
1 lb. can
NO. 49-08-1000

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

CATALOG NUMBER	REPLACES PREVIOUS MODEL	SPEED RPM	DISC DIAMETER	VOLTS AC-DC	AMPS	MAXIMUM MOTOR POWER OUTPUT H.P.
6082*†	6080	5000	9"	120	13.0	2.25
6084*†	New	6000	7"	120	13.0	2.25
6022*	6020	5000	7"	120	13.0	2.25
6062*	6060	5000	9"	120	13.0	2.25
6102	6100	5000	9"	120	13.0	2.25
6086*†	New	5000	9"	120	15.0	3.00
6088*†	6085	6000	7"	120	15.0	3.00
6104	New	5000	9"	120	15.0	3.00

* When used as a grinder, guard must be used for O.S.H.A. compliance.

† Available in 240 Volts AC-DC. Add -2 after Catalog Number when ordering.

HEAVY-DUTY DISC SANDER

CATALOG NUMBER	SPEED RPM	DISC DIAMETER	VOLTS AC-DC	AMPS	MAXIMUM MOTOR POWER OUTPUT H.P.
6032‡•	3000	7"	120	9.0	1.0

‡ Not recommended for use with grinding wheels.

• When used as a grinder, guard must be used for O.S.H.A. compliance.

MILWAUKEE

3 AND 15 AMP MODELS • 9 MODELS TO CHOOSE FROM.

BALL AND ROLLER BEARINGS



EXCLUSIVE

SPRING LOADED DRIVE MECHANISM

prevents harmful backlash shock of heavy or unbalanced grinding wheels to drive mechanism — won't slip under load — greatly extends gear life.

NEW 300% LONGER BRUSH LIFE

Up to 300% longer brush life than previous units. More efficient motor design results in lower brush wear.

NEW NYLON HANDLES

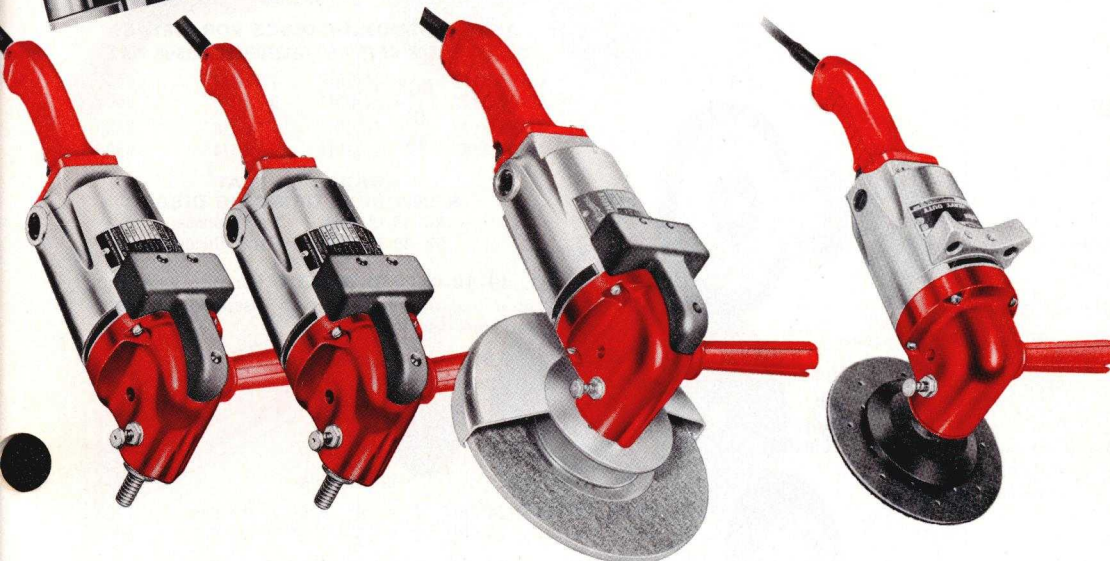
Non-conductive, glass filled nylon handles for greater operator safety and control. Specially contoured to reduce cord wear.

NEW STRAIN RELIEVER CORD

New heavier-duty strain relief and 14 ga. cord sets.

NEW...MORE COMPACT...LIGHTER IN WEIGHT

than competitive models. Significantly more power per pound than any other grinders on the market.



15 AMP
5000 RPM
6086

15 AMP
6000 RPM
6088

15 AMP
5000 RPM
6104

9 AMP
DISC SANDER
6032



STEEL CARRYING CASE
FOR ALL MILWAUKEE
SANDER-GRINDERS
NO. 48-55-0875

SPINDLE THREAD SIZE	LENGTH LESS DISC	NET WEIGHT	SHIPPING WEIGHT	STANDARD EQUIPMENT
5/8"-11	16-1/2"	12 lbs.	16-3/4 lbs.	Less disc assembly, and sanding discs. Disc retaining nut supplied.
5/8"-11	16-1/2"	12 lbs.	16-3/4 lbs.	Less disc assembly, and sanding discs. Disc retaining nut supplied.
5/8"-11	16-1/2"	13 lbs.	18 lbs.	7" phenolic resin backing disc assembly and disc retaining nut. One each 36 and 60 grit 7" diameter sanding disc.
5/8"-11	16-1/2"	13-1/4 lbs.	18 lbs.	9" phenolic resin backing disc assembly and disc retaining nut. One each 36 and 60 grit 9" diameter sanding disc.
5/8"-11	16-1/2"	15 lbs.	19-3/4 lbs.	9" x 1/4" flat rough reinforced grinding disc. Steel guard No. 49-12-0090.
5/8"-11	16-1/2"	12-1/4 lbs.	17 lbs.	Less disc assembly, and sanding discs. Disc retaining nut supplied.
5/8"-11	16-1/2"	12-1/4 lbs.	17 lbs.	Less disc assembly, and sanding discs. Disc retaining nut supplied.
5/8"-11	16-1/2"	15-1/4 lbs.	20 lbs.	9" x 1/4" flat rough reinforced grinding disc. Steel guard No. 49-12-0090.

SPINDLE THREAD SIZE	LENGTH LESS DISC	NET WEIGHT	SHIPPING WEIGHT	STANDARD EQUIPMENT
5/8"-11	14-1/2"	9-1/4 lbs.	16 lbs.	7" Phenolic backing disc, rubber backing pad and disc nut.

HEAVY-DUTY • DIE GRINDER

• STRAIGHT GRINDER

• TAPPER



ALL BALL
AND ROLLER
BEARINGS

DIE GRINDER NO. 5191

- For light finish grinding
- 34,000 RPM
- For Mounted Wheels and Points up to 1" ... Reinforced Wheels up to 1-1/2"
- Accurate precision grinding

STRAIGHT GRINDER NO. 5265

- 21,000 RPM
- For Mounted Wheels and Points up to 1-5/8" ... Reinforced Wheels up to 2"
- Perfect for internal grinding and other heavy-duty applications

CATALOG NUMBER	VOLTS	AMPS	COLLET DIAMETER	MAX. GRINDING WHEEL DIA. NON- REINFORCED ORGANIC	REIN- FORCED	NO LOAD RPM	LENGTH	NET WGT. LBS.	SHP. WGT. LBS.
5191	115	3.0	1/8†-1/4‡	1"	1-1/2"	34,000	13-1/2"	4	6
5265	115	4.4	1/8†-1/4‡	1-5/8"	2"	21,000	18-3/8"	6-3/4	9

†Available as accessory only ‡Standard equipment

NOTE: These Grinders are not supplied with grinding wheels. Before using any grinding wheel be sure speed shown for that wheel is greater than the no load speed of the tool. Tables of maximum operating speeds for mounted wheels are included in the instructions packed with each new grinder.

ACCESSORIES

For Models 5191 and 5265

- 48-66-0910* 1/4 COLLET
- 49-96-4112* COLLET WRENCH
- 49-96-4115* SPINDLE WRENCH
- 48-66-0900 1/8 COLLET

*Included as standard equipment

TAPPER NO. 8600

ACCESSORIES

- 48-66-1500‡ TAPPER CHUCK ASSEMBLY
- 48-86-0110‡ DRIFT PIN
- 48-66-6740‡ CHUCK KEY
- 49-11-0070‡ DEPTH GAUGE

‡Included as standard equipment

TYPE "A" GREASE

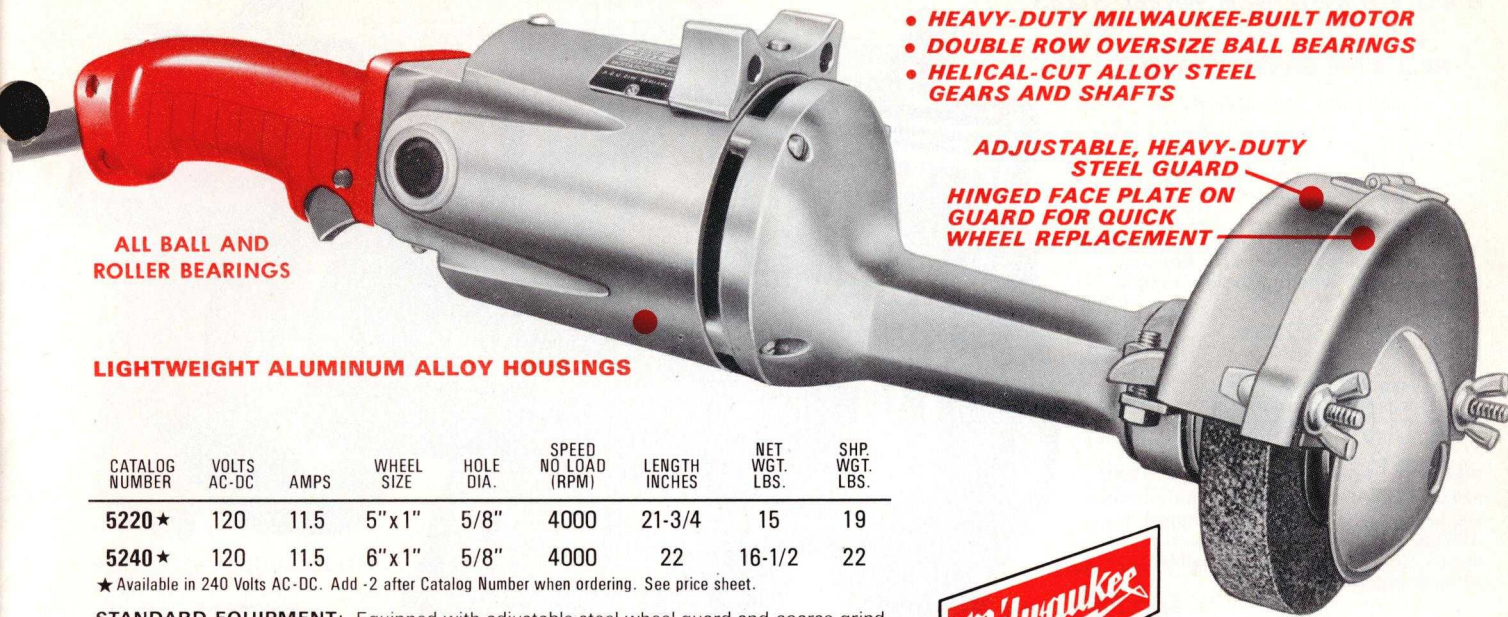
- NO. 49-08-0500 1/2 lb. CAN
- NO. 49-08-0800 1 lb. CAN

For thru-holes and blind holes. Quick tap changing. Well balanced for easy handling and offering a floating chuck that prevents tap breakage. Automatic reversing backs tap out of hole at high speed when operator pulls backward ... no reversing switch needed. Built to handle #6 thru 5/16" taps in cold rolled steel and a variety of non-ferrous materials.

CATALOG NUMBER	CAPACITY IN MILD STEEL	VOLTS	AMPS	RPM CLOCKWISE	COUNTER- CLOCKWISE	LENGTH	NET WGT. LBS.	SHP. WGT. LBS.
8600	5/16"	115	3.2	360	650	13-5/8"	5-1/4	7

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY PORTABLE and TUCK POINT GRINDERS



ALL BALL AND
ROLLER BEARINGS

LIGHTWEIGHT ALUMINUM ALLOY HOUSINGS

- HEAVY-DUTY MILWAUKEE-BUILT MOTOR
- DOUBLE ROW OVERSIZE BALL BEARINGS
- HELICAL-CUT ALLOY STEEL GEARS AND SHAFTS

ADJUSTABLE, HEAVY-DUTY
STEEL GUARD
HINGED FACE PLATE ON
GUARD FOR QUICK
WHEEL REPLACEMENT

CATALOG NUMBER	VOLTS AC-DC	AMPS	WHEEL SIZE	HOLE DIA.	SPEED NO. LOAD (RPM)	LENGTH INCHES	NET WGT. LBS.	SHP. WGT. LBS.
5220★	120	11.5	5"x1"	5/8"	4000	21-3/4	15	19
5240★	120	11.5	6"x1"	5/8"	4000	22	16-1/2	22

★ Available in 240 Volts AC-DC. Add -2 after Catalog Number when ordering. See price sheet.

STANDARD EQUIPMENT: Equipped with adjustable steel wheel guard and coarse grinding wheel. Hinged face plate.

NOTE: The maximum safe operating speed shown on grinding wheels and tuck point abrasive wheels must be greater than the no load speed of the tool.



REPLACEMENT GUARD ASSEMBLIES

5" WHEEL GUARD ASSEMBLY
For Model 5220 Grinder
NO. 49-12-0140

6" WHEEL GUARD ASSEMBLY
For Model 5240 Grinder
NO. 49-12-0150



COARSE GRIT GRINDING WHEELS

CATALOG NUMBER	SIZE INS.	HOLE DIA.	MAXIMUM WHEEL SPEED
49-92-2240	5 x 1	5/8"	7200
49-92-3260	6 x 1	5/8"	6000



KNOT WIRE BRUSHES

Made of select steel wire. For cleaning steel surfaces and castings, removing rust, scale, file marks.

CATALOG NO.	DIA. INS.	HOLE DIAMETER	WIRE SIZE	MAX. WHEEL SPEED
48-52-2310	5	5/8"	.014	8000
48-52-2510	6	1/2"-5/8"	.014	8000



CLOTH BUFFING WHEELS

For polishing and buffing metal surfaces. Coated with abrasive, can be used for smooth finish grinding or rough polishing.

CATALOG NUMBER	DIA. INS.	HOLE DIA.
49-93-0070	5	5/8"
49-93-0090	6	5/8"

1 LB. CAN TYPE C GREASE CATALOG NO. 49-08-1000



ALL BALL AND
ROLLER BEARINGS

8" DIAMETER WHEEL

TUCK POINT ABRASIVE WHEELS
Maximum Wheel Speeds 7200 RPM

- NO. 49-92-5020 8" x 1/8" x 5/8" hole
NO. 49-92-5040 8" x 3/16" x 5/8" hole
NO. 49-92-5060 8" x 1/4" x 5/8" hole

TUCK POINT GRINDER

**POWERFUL, HIGH SPEED, EASY HANDLING FOR FAST
REMOVAL OF OLD OR LOOSE MORTAR**

CATALOG NUMBER	VOLTS AC-DC	AMPS	WHEEL SIZE	HOLE DIA.	SPEED NO. LOAD RPM	LGTH. INS.	NET WGT. LBS.	SHP. WGT. LBS.
5260	120	11.5	8" x 1/8"	5/8"	4000	21	15-1/4	19

STANDARD EQUIPMENT: Furnished with 8" x 1/8" abrasive wheel and steel wheel guard.

NOTE: The maximum safe operating speed shown on grinding wheels and tuck point abrasive wheels must be greater than the no load speed of the tool.

TUCK POINT GUARD ASSEMBLY

NO. 49-12-0310 Consists of Guard and Spacer.

TUCK POINT GRINDER ACCESSORY KITS

- NO. 49-22-6050 Includes wheel guard, spacer unit and 8" x 1/8" x 5/8" hole abrasive wheel.
NO. 49-22-6060 Same as above kit except with 8" x 3/16" x 5/8" hole abrasive wheel.

NOTE: Kits and abrasive wheels are adaptable to Portable Grinders Nos. 5220 and 5240.

"C" GREASE 1 lb. can NO. 49-08-1000

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT
THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY DUTY BENCH GRINDERS

6 • 7 • 8 • 10 INCH WHEEL SIZES

5 MODELS

BELL TYPE CONSTRUCTION



Clearance in front of motor housing is important when grinding longer pieces.



Plastic Eye Shields (Cat. No. 49-62-0100) are furnished as standard equipment. Glass Eye Shields and Illuminated Eye Shields are offered as optional accessories. Shields *must* be used when operating grinders.

BALL AND ROLLER BEARINGS

SPECIFICATIONS

NEMA RATED H.P.	CATALOG NO.	VOLTS 60 Hz AC ONLY	AMPS	PHASE	SPEED RPM	WHEEL SIZE	HOLE DIA.	SPACE BETWEEN WHEELS	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
1/4	4900	115	3.4	1	3450	6"x5/8"+	1/2"	11-1/2"	22	24
1/3	4920	115	4.3	1	3450	6"x3/4"	1/2"	13-1/2"	27	29
1/2	4980	115	6.0	1	3450	7"x1"	5/8"	14-1/8"	37	40
3/4	5040	115/230	8.2/4.1	1	3450	8"x1"	5/8"	16-3/8"	57	60
1	5080	115/230	12.0/6.0	1	1725	10"x1"	3/4"	17-1/8"	82	85

+ Replacement wheels are 3/4"

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

STANDARD EQUIPMENT

Includes two balanced, aluminum oxide wheels—one fine and one coarse grit—adjustable tool rests, spark deflectors and plastic eye shields. Pedestal and glass or illuminated eye shields are listed below and are available as accessories. Wheels other than those supplied as standard equipment must be ordered separately.

PLASTIC EYE SHIELDS

NO. 49-62-0100. (pair) These protective eye shields are furnished as standard equipment on all MILWAUKEE Bench Grinders. Easily replaced when pitted. Supplied as a pair. Complete with attaching hardware for any MILWAUKEE Bench Grinder. Shp. Wt. 1 lb. per pair.

ILLUMINATED EYE SHIELD

NO. 49-62-0050. (as shown above on 1 H. P. Grinder) Metal frame holds 4" x 6" plexiglass window... easily replaced when pitted. Long tube bulb eliminates shadow... separate cord with on-off switch operates on 120 Volts AC. Rigid support prevents swiveling. Available for 1/2, 3/4 and 1 H. P. bench grinders only. If pair required specify 2 units. Shp. Wt. 4 lbs. each.

EYE SHIELD

NO. 49-62-0060. (as shown above on 1/2 H. P. Grinder) Frame holds 3" x 5" Shatter-Resistant plexiglass. Mounting bracket included. Adaptable to all models. Specify 2 units if pair desired. Shp. Wt. 2 lbs. each.

WHEELS FOR BENCH GRINDERS

NOTE: The maximum safe operating speed shown on the grinding wheels must be greater than the no load speed of the tool. Aluminum Oxide Grinding Wheels are available in coarse, medium and fine grit for all types of grinding. Knot Wire Brushes for removing rust, scale and file marks—made of select steel wires. Brushes have a face width

of 3/4". Cloth Buffing Wheels for buffing metal surfaces—made of multiple layers of select buffing cloth—securely sewed—can be dipped in an emery grit after coating with glue for finish grinding or rough polishing.

GRINDING WHEELS



	CATALOG NO.	SIZE (IN.)	HOLE DIA.	MAX. WHEEL SPEED
COARSE GRIT	49-92-3140	6x3/4	1/2	6000
	49-92-4200	7x1	5/8	5200
	49-92-5300	8x1	5/8	4600
	49-92-7200	10x1	3/4	3750
MEDIUM GRIT	49-92-3160	6x3/4	1/2	6000
	49-92-4220	7x1	5/8	5200
	49-92-5320	8x1	5/8	4600
	49-92-7220	10x1	3/4	3750
FINE GRIT	49-92-3180	6x3/4	1/2	6000
	49-92-4240	7x1	5/8	5200
	49-92-5340	8x1	5/8	4600
	49-92-7240	10x1	3/4	3750



KNOT WIRE BRUSHES

CATALOG NO.	DIA. (IN.)	HOLE (DIA.)	WIRE SIZE	MAX. WHEEL SPEED
48-52-2510	6	1/2"-5/8"	.014	8000
48-52-2610	7	5/8"	.014	5000
48-52-4810	10	3/4"	.014	4500



CLOTH BUFFING WHEELS

CATALOG NO.	DIA. (IN.)	HOLE DIA.
49-93-0080	6	1/2"
49-93-0100	7	5/8"
49-93-0110	10	3/4"

1 H.P. GRINDER

Shown with Optional Illuminated Eye Shields
NO. 49-62-0050

1/2 H.P. GRINDER

Mounted on Grinder Pedestal Shown with Optional Glass Eye Shields
NO. 49-62-0060

GRINDER PEDESTAL

NO. 49-39-0050 Heavy gray iron castings with tubular steel column. Removable water pot. Adaptable to all models. Height 34". Shp. Wt. 54 lbs.



HEAVY-DUTY SPECIAL SCREW-SHOOTER



BALL AND ROLLER BEARINGS

**FOR DRIVING SELF-DRILLING,
SELF-TAPPING TEKS® FASTENERS**

TEKS® registered trademark of
Illinois Tool Works, Inc.



**MOBILE HOME KIT
AVAILABLE - See Page 60**

• POSITIVE DRIVE CLUTCH

Engages when pressure is applied. Driving action stops and clutch disengages when pressure is released or when locator contacts work surface. Depth control is adjustable in increments of 1/64" from outside of tool.

• NON-MARRING LOCATORS

• CONVENIENT REVERSING SWITCH

• POWERFUL MILWAUKEE 4.5 AMP MOTOR

NO. 6798-1 REVERSING...TRIGGER SPEED CONTROL 0-2500 RPM

CAPACITY: 1/4" IN 3/16" COLD ROLLED STEEL OR NO. 12 IN 1/2" COLD ROLLED STEEL.

CATALOG NUMBER	VOLTS AC ONLY	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6798-1 REV.	120	4.5	0-2500	1/4" Hex	3/4"	9-1/2	3-3/4	7

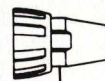
"REV." after Cat. No. indicates reversing type motor. Equipped with lockable trigger switch.

STANDARD EQUIPMENT: 5/16" Hex One Piece Socket Extension and 1/4", 5/16", 3/8" and 7/16" Locators.

**MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS**

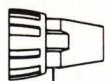
BIT HOUSING & LOCATORS FOR 6798-1 POSITIVE DRIVE HEX HEAD SCREWS - USING SOCKET & DRIVER

RED
CATALOG NOS.
ARE STANDARD
EQUIP.



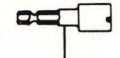
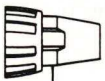
HEX SIZE	BIT HOUSING	LOCATOR ASSEMBLY	SOCKET DRIVER	MAGNETIC SOCKET
1/4"		49-26-0250		49-66-3000
5/16"	Cat. No. 48-32-2500	49-26-0312	1/4" Sq. x 2" Long	49-66-3010
3/8"		49-26-0375	48-32-2050	49-66-3020
7/16"		49-26-0600		49-66-3030

HEX HEAD SCREWS - USING ONE PIECE EXTENSIONS



HEX SIZE	BIT HOUSING	LOCATOR ASSEMBLY	SOCKET EXT-MAGNETIC
1/4"		49-26-0250	49-66-3006
5/16"	Cat. No. 48-32-2500	49-26-0312	49-66-3016
3/8"		49-26-0375	49-66-3026

PHILLIPS, POSIDRIV® AND ROBERTSON SCREWS



TYPE OF SET-UP	BIT HOUSING	LOCATOR ASSEMBLY	BIT HOLDER	INSERT BITS
Magnetic	Cat. No. 48-32-2500	49-26-1000	48-32-3025	Select Bits with Key Letters T, U, or W from Page 61
Non-Mag.		49-26-0250	48-32-3050	

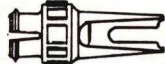
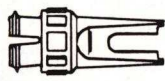
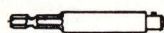
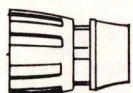
NOTE: For Slotted, Frearson and Clutch Head Screws, use accessories as shown for Model 6543-1, Page 59.

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS - SPECIFICATIONS - SEE P. 61

HEAVY-DUTY DEEP CORRUGATION KIT

DEEP CORRUGATION KIT NO. 49-22-1510

Kit consists of Depth Adjuster, Socket Driver and two Locator Tips.



**DEPTH ADJUSTER
NO. 49-26-2500**

**SOCKET DRIVER
NO. 48-32-2055**

**LOCATOR TIPS
5/16"
NO. 49-78-0312
3/8"
NO. 49-78-0375**



Permits depth-adjustable driving of 5/16" and 3/8" hex head screws into deep, narrow corrugation, or flush to side walls. Locator tips can be rotated for alignment.

Note: Must be used with 48-32-2500 Bit Housing (Provided with models 6798-1 & 6747-1.) 5/16" & 3/8" sockets not furnished.

FITS THE FOLLOWING LIST OF MILWAUKEE SCREW-SHOOTERS FOR USE WITH SELF-DRILLING, SELF-TAPPING FASTENERS

CATALOG NO. 6798-1	0-2500 RPM POSITIVE DRIVE
6747-1	2500 RPM POSITIVE DRIVE
6543-1	0-1000 RPM POSITIVE DRIVE

Kit also fits discontinued Positive Drive Model 6796-1.

SCREW-SHOOTER ACCESSORIES

**AVAILABLE FOR ALL MILWAUKEE SCREW-SHOOTERS
and HOLE-SHOOTERS**

TYPE "A" GREASE
NO. 49-08-0500 1/2 Lb. Can
NO. 49-08-0800 1 Lb. Can



**LEATHER HOLSTER
NO. 49-17-0200**
Fits belts to 3" wide.



**STEEL CARRYING CASE
NO. 48-55-0710**
OVERALL SIZE
13" long, 6" high, 8-1/2" wide.

HEAVY DUTY BENCH GRINDERS

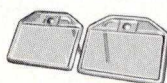
6 • 7 • 8 • 10 INCH WHEEL SIZES

5 MODELS

BELL TYPE CONSTRUCTION



Clearance in front of motor housing is important when grinding longer pieces.



Plastic Eye Shields (Cat. No. 49-62-0100) are furnished as standard equipment. Glass Eye Shields and Illuminated Eye Shields are offered as optional accessories. Shields *must* be used when operating grinders.

BALL AND ROLLER BEARINGS

SPECIFICATIONS

NEMA RATED H.P.	CATALOG NO.	VOLTS 60 Hz AC ONLY	AMPS	PHASE	SPEED RPM	WHEEL SIZE	HOLE DIA.	SPACE BETWEEN WHEELS	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
1/4	4900	115	3.4	1	3450	6"x5/8"	1/2"	11-1/2"	22	24
1/3	4920	115	4.3	1	3450	6"x3/4"	1/2"	13-1/2"	27	29
1/2	4980	115	6.0	1	3450	7"x1"	5/8"	14-1/8"	37	40
3/4	5040	115/230	8.2/4.1	1	3450	8"x1"	5/8"	16-3/8"	57	60
1	5080	115/230	12.0/6.0	1	1725	10"x1"	3/4"	17-1/8"	82	85

† Replacement wheels are 3/4"

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

STANDARD EQUIPMENT

Includes two balanced, aluminum oxide wheels—one fine and one coarse grit—adjustable tool rests, spark deflectors and plastic eye shields. Pedestal and glass or illuminated eye shields are listed below and are available as accessories. Wheels other than those supplied as standard equipment must be ordered separately.

PLASTIC EYE SHIELDS

NO. 49-62-0100. (pair) These protective eye shields are furnished as standard equipment on all MILWAUKEE Bench Grinders. Easily replaced when pitted. Supplied as a pair. Complete with attaching hardware for any MILWAUKEE Bench Grinder. Shp. Wt. 1 lb. per pair.

ILLUMINATED EYE SHIELD

NO. 49-62-0050. (as shown above on 1 H. P. Grinder) Metal frame holds 4" x 6" plexiglass window... easily replaced when pitted. Long tube bulb eliminates shadow... separate cord with on-off switch operates on 120 Volts AC. Rigid support prevents swiveling. Available for 1/2, 3/4 and 1 H. P. bench grinders only. If pair required specify 2 units. Shp. Wt. 4 lbs. each.

EYE SHIELD

NO. 49-62-0060. (as shown above on 1/2 H. P. Grinder) Frame holds 3" x 5" Shatter-Resistant plexiglass. Mounting bracket included. Adaptable to all models. Specify 2 units if pair desired. Shp. Wt. 2 lbs. each.

WHEELS FOR BENCH GRINDERS

NOTE: The maximum safe operating speed shown on the grinding wheels must be greater than the no load speed of the tool. Aluminum Oxide Grinding Wheels are available in coarse, medium and fine grit for all types of grinding. Knot Wire Brushes for removing rust, scale and file marks—made of select steel wires. Brushes have a face width

of 3/4". Cloth Buffing Wheels for buffing metal surfaces—made of multiple layers of select buffing cloth—securely sewed—can be dipped in an emery grit after coating with glue for finish grinding or rough polishing.

GRINDING WHEELS



	CATALOG NO.	SIZE (IN.)	HOLE DIA.	MAX. WHEEL SPEED
COARSE GRIT	49-92-3140	6x3/4	1/2	6000
	49-92-4200	7x1	5/8	5200
	49-92-5300	8x1	5/8	4600
	49-92-7200	10x1	3/4	3750
MEDIUM GRIT	49-92-3160	6x3/4	1/2	6000
	49-92-4220	7x1	5/8	5200
	49-92-5320	8x1	5/8	4600
	49-92-7220	10x1	3/4	3750
FINE GRIT	49-92-3180	6x3/4	1/2	6000
	49-92-4240	7x1	5/8	5200
	49-92-5340	8x1	5/8	4600
	49-92-7240	10x1	3/4	3750



KNOT WIRE BRUSHES

CATALOG NO.	DIA. (IN.)	HOLE (DIA.)	WIRE SIZE	MAX. WHEEL SPEED
48-52-2510	6	1/2" - 5/8"	.014	8000
48-52-2610	7	5/8"	.014	5000
48-52-4810	10	3/4"	.014	4500



CLOTH BUFFING WHEELS

CATALOG NO.	DIA. (IN.)	HOLE DIA.
49-93-0080	6	1/2"
49-93-0100	7	5/8"
49-93-0110	10	3/4"

1 H.P. GRINDER

Shown with Optional Illuminated Eye Shields
NO. 49-62-0050



1/2 H.P. GRINDER

Mounted on Grinder Pedestal Shown with Optional Glass Eye Shields
NO. 49-62-0060

GRINDER PEDESTAL

NO. 49-39-0050 Heavy gray iron castings with tubular steel column. Removable water pot. Adaptable to all models. Height 34". Shp. Wt. 54 lbs.



HEAVY-DUTY SPECIAL SCREW-SHOOTER



BALL AND ROLLER BEARINGS

FOR DRIVING SELF-DRILLING,
SELF-TAPPING TEKS® FASTENERS

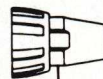
TEKS® registered trademark of
Illinois Tool Works, Inc.



MOBILE HOME KIT
AVAILABLE — See Page 60

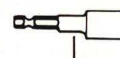
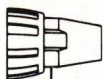
BIT HOUSING & LOCATORS FOR 6798-1 POSITIVE DRIVE HEX HEAD SCREWS — USING SOCKET & DRIVER

RED
CATALOG NOS.
ARE STANDARD
EQUIP.



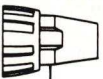
HEX SIZE	BIT HOUSING	LOCATOR ASSEMBLY	SOCKET DRIVER	MAGNETIC SOCKET
1/4"		49-26-0250		49-66-3000
5/16"	Cat. No.	49-26-0312	1/4" Sq. x 2" Long	49-66-3010
3/8"	48-32-2500	49-26-0375	48-32-2050	49-66-3020
7/16"		49-26-0600		49-66-3030

HEX HEAD SCREWS — USING ONE PIECE EXTENSIONS



HEX SIZE	BIT HOUSING	LOCATOR ASSEMBLY	SOCKET EXT-MAGNETIC
1/4"		49-26-0250	49-66-3006
5/16"	Cat. No.	49-26-0312	49-66-3016
3/8"	48-32-2500	49-26-0375	49-66-3026

PHILLIPS, POSIDRIV® AND ROBERTSON SCREWS



TYPE OF SET-UP	BIT HOUSING	LOCATOR ASSEMBLY	BIT HOLDER	INSERT BITS
Magnetic	Cat. No.	49-26-1000	48-32-3025	Select Bits with Key Letters T, U, or W from Page 61
Non-Mag.	48-32-2500	49-26-0250	48-32-3050	

NOTE: For Slotted, Frearson and Clutch Head Screws, use accessories as shown
for Model 6543-1, Page 59.

• POSITIVE DRIVE CLUTCH

Engages when pressure is applied. Driving action stops and clutch disengages when pressure is released or when locator contacts work surface. Depth control is adjustable in increments of 1/64" from outside of tool.

• NON-MARRING LOCATORS

• CONVENIENT REVERSING SWITCH

• POWERFUL MILWAUKEE 4.5 AMP MOTOR

NO. 6798-1 REVERSING...TRIGGER SPEED CONTROL 0-2500 RPM

CAPACITY: 1/4" IN 3/16" COLD ROLLED STEEL OR NO. 12
IN 1/2" COLD ROLLED STEEL.

CATALOG NUMBER	VOLTS AC ONLY	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SH. WGT. (LBS.)
6798-1 REV.	120	4.5	0-2500	1/4" Hex	3/4"	9-1/2	3-3/4	7

"REV." after Cat. No. indicates reversing type motor. Equipped with lockable trigger switch.

STANDARD EQUIPMENT: 5/16" Hex One Piece Socket Extension and 1/4",
5/16", 3/8" and 7/16" Locators.

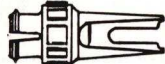
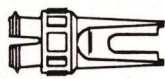
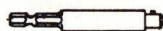
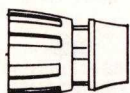
MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS — SPECIFICATIONS — SEE P. 61

HEAVY-DUTY DEEP CORRUGATION KIT

DEEP CORRUGATION KIT NO. 49-22-1510

Kit consists of Depth Adjuster, Socket Driver and two Locator Tips.



DEPTH ADJUSTER
NO. 49-26-2500

SOCKET
DRIVER
NO. 48-32-2055

LOCATOR TIPS
5/16"
NO. 49-78-0312
3/8"
NO. 49-78-0375



Permits depth-adjustable driving of 5/16" and 3/8" hex head screws into deep, narrow corrugation, or flush to side walls. Locator tips can be rotated for alignment.

Note: Must be used with 48-32-2500 Bit Housing (Provided with models 6798-1 & 6747-1.) 5/16" & 3/8" sockets not furnished.

FITS THE FOLLOWING LIST OF MILWAUKEE SCREW-SHOOTERS FOR
USE WITH SELF-DRILLING, SELF-TAPPING FASTENERS

CATALOG NO. 6798-1	0-2500 RPM POSITIVE DRIVE
6747-1	2500 RPM POSITIVE DRIVE
6543-1	0-1000 RPM POSITIVE DRIVE

Kit also fits discontinued Positive Drive Model 6796-1.

SCREW-SHOOTER ACCESSORIES

AVAILABLE FOR ALL MILWAUKEE SCREW-SHOOTERS
and HOLE-SHOOTERS

TYPE "A" GREASE
NO. 49-08-0500 1/2 Lb. Can
NO. 49-08-0800 1 Lb. Can



LEATHER HOLSTER
NO. 49-17-0200
Fits belts to 3" wide.



STEEL CARRYING CASE
NO. 48-55-0710
OVERALL SIZE
13" long, 6" high, 8-1/2"
wide.

HEAVY-DUTY SPECIAL SCREW-SHOOTER

FOR DRIVING SELF-DRILLING, SELF-TAPPING TEK® FASTENERS

TEK® registered trademark of
Illinois Tool Works, Inc.

ALL BALL AND
ROLLER BEARINGS



• SIMPLIFIED ADJUSTABLE TORQUE RELEASE CLUTCH

Torque output is easily changed externally by turning adjusting ring. Locking collar positively holds setting. Clutch disengages and driving action stops when pre-set torque is reached.

- BOTH MODELS ADJUSTABLE FROM 0 TO 150 INCH-POUNDS OF TORQUE
- CONVENIENT REVERSING SWITCH
- POWERFUL MILWAUKEE 4.5 AMP MOTOR

NO. 6783-1 REVERSING...TRIGGER SPEED CONTROL 0-2500 RPM EXCLUSIVE BIT GUIDES

CAPACITY: 1/4" IN 3/16" COLD ROLLED STEEL OR NO. 12 IN 1/2" COLD ROLLED STEEL

CATALOG NUMBER	VOLTS AC ONLY	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6783-1 REV.	120	4.5	0-2500	1/4" Hex	3/4"	10-1/4	4-1/2	8

"REV." after Cat. No. indicates reversing type motor. Equipped with lockable trigger switch.

STANDARD EQUIPMENT: 5/16" Hex Socket Extension and 1/4", 5/16" and 3/8" Bit Guides.

BIT GUIDES FOR 6783-1 ADJUSTABLE TORQUE HEX HEAD SCREWS — USING SOCKET & DRIVER

RED
CATALOG NOS.
ARE STANDARD
EQUIP.

HEX. SIZE	BIT GUIDE	SOCKET DRIVER	MAGNETIC SOCKET
1/4"	48-32-0250	1/4" Sq. x 2" Long	49-66-3000
5/16"	48-32-0312		49-66-3010
3/8"	48-32-0375	48-32-2050	49-66-3020

HEX HEAD SCREWS — USING ONE PIECE EXTENSIONS

HEX. SIZE	BIT GUIDE	MAGNETIC EXTENSION	NON-MAG. EXTENSION
1/4"	48-32-0250	49-66-3006	
5/16"	48-32-0312	49-66-3016	49-66-3015
3/8"	48-32-0375	49-66-3026	

PHILLIPS, POSIDRIV® FREARSON, ROBERTSON

TYPE OF SET-UP	BIT GUIDE	BIT HOLDER	INSERT BITS
Magnetic	48-32-0608	48-32-3025	Select any Insert Bit from Page 61
Non-Magnetic	48-32-0250	48-32-3050	

HEAVY-DUTY SCREW-SHOOTER — NUT RUNNER

FOR MACHINE AND SHEET METAL SCREWS AND NUTS

FOR NO-HUB
APPLICATIONS
SET TORQUE AT
60 INCH-LBS.

NO. 6583-1 REVERSING...TRIGGER SPEED CONTROL 0-1000 RPM

CAPACITY: TAPPING SCREWS — TO 1/4" IN 3/16" MILD STEEL MACHINE SCREWS AND NUTS — TO 1/4"

CATALOG NUMBER	VOLTS AC ONLY	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6583-1 REV.	120	4.5	0-1000	1/4" Hex	3/4"	10-1/4	5	7-1/2

• Available in 240 Volts AC Only. Add -3 after Catalog Number when ordering. See price sheet. "REV." after Cat. No. indicates reversing type motor. Equipped with lockable trigger switch.

STANDARD EQUIPMENT: 6F-8R Bit and Finder, 10F-12R Bit and Finder, 6F-8R Bit Guide, 10F-12R Bit Guide, #2 Phillips Insert Bit, Non. Mag. Bit Holder and 1/4" Bit Guide.

RED
CATALOG NOS.
ARE STANDARD
EQUIP.

BIT GUIDES FOR 6583-1 ADJUSTABLE TORQUE SLOTTED SCREWS

SCREW SIZE	BIT GUIDE	BIT AND FINDER COMBINATION
6F-8R	48-32-0608	48-30-2600
8F-10R	48-32-0810	48-30-2625
10F-12R	48-32-1012	48-30-2650
12F-14R	48-32-1214	48-30-2675
14F-16R	48-32-1416	48-30-2700

NOTE:
F = Flat Head
R = Round Head

PHILLIPS, POSIDRIV® FREARSON, ROBERTSON

TYPE OF SET-UP	BIT GUIDE	BIT HOLDER	INSERT BITS
Magnetic	48-32-0608	48-32-3025	Select any Insert Bit from Page 61
Non-Magnetic	48-32-0250	48-32-3050	

HEX NUTS (SOCKETS HAVE BOLT CLEARANCE)

HEX. SIZE	BIT GUIDE	SOCKET DRIVER	MAGNETIC 2" LG. NUT SOCKET
1/4"	48-32-0312	1/4" Sq. x 2" Lg.	49-66-3002
5/16"	48-32-0810	48-32-2050	49-66-3012
3/8"	48-32-1012		49-66-3022

NOTE: For Slotted Screws and Hex Nuts, use accessories as shown for Model 6583-1 at right.

NOTE: For Hex Head Screws, use accessories as shown for Model 6783-1 at left.

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS — SPECIFICATIONS — SEE P. 61

MOBILE HOME KIT AVAILABLE — SEE P. 60 CARRYING CASE, HOLSTER, GREASE AVAILABLE — See Page 57

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

HEAVY-DUTY SCREW-SHOOTER *FOR WOOD SCREWS*

NO. 6543-1 TRIGGER SPEED CONTROL REVERSING 0-1000 RPM



ALL BALL AND ROLLER BEARINGS

- POSITIVE DRIVE CLUTCH
- CONVENIENT REVERSING SWITCH
- POWERFUL MILWAUKEE 4.5 AMP MOTOR
- EXCLUSIVE SNAP-IN BIT GUIDE DESIGN PROVIDES MAXIMUM SUPPORT, GREATLY REDUCING BIT WOBBLE

Clutch engages when pressure is applied and stops when pressure is released. Torque is maintained while pressure is applied.

CAPACITY: SOFT WOOD WITH PILOT HOLE — TO 5/16" LAG.
SOFT WOOD WITHOUT PILOT HOLE — TO #16
HARD WOOD WITH PILOT HOLE — TO #16
HARD WOOD WITHOUT PILOT HOLE — TO #12

CATALOG NUMBER	VOLTS AC ONLY	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SHP. WGT. (LBS.)
6543-1 REV.	120	4.5	0-1000	1/4" Hex	3/4"	9-3/4	4-1/2	7

• Available in 240 Volts AC Only. Add -3 after Catalog Number when ordering. See price sheet. "REV." after Cat. No. indicates reversing type motor. Equipped with lockable trigger switch.

STANDARD EQUIPMENT: 6F-8R Bit and Finder, 10F-12R Bit and Finder, 6F-8R Bit Guide, 10F-12R Bit Guide, #2 Phillips Insert Bit, Non. Mag. Bit Holder and 1/4" Bit Guide.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THIS TOOL COMPLIES WITH O.S.H.A. REQUIREMENTS

MOBILE HOME KIT AVAILABLE — SEE P. 60
DEEP CORRUGATION KIT AVAILABLE — SEE P. 57
CARRYING CASE, HOLSTER, GREASE AVAILABLE — SEE P. 57



BIT GUIDE HOUSING & BIT GUIDES FOR 6543-1 POSITIVE DRIVE SLOTTED SCREWS

SCREW SIZE	BIT GUIDE HOUSING	BIT GUIDE	BIT AND FINDER COMBINATION
6F-8R		48-32-0608	48-30-2600
8F-10R	Cat.	48-32-0810	48-30-2625
10F-12R	No.	48-32-1012	48-30-2650
12F-14R	48-32-1000	48-32-1214	48-30-2675
14F-16R		48-32-1416	48-30-2700

RED CATALOG NOS. ARE STANDARD EQUIP.

NOTE:
F = Head
R = Round Head

PHILLIPS, POSIDRIV®, FREARSON, ROBERTSON,

TYPE OF SET-UP	BIT GUIDE HOUSING	BIT GUIDE	BIT HOLDER	INSERT BITS
Magnetic	Cat. No.	48-32-0608	48-32-3025	Select any
Non-Mag.	48-32-1000	48-32-0250	48-32-3050	Insert Bit

NO. 48-32-1050 STANDARD EQUIP.

HEX HEAD SCREWS

HEX. SIZE	BIT GUIDE HOUSING	BIT GUIDE	SOCKET DRIVER	MAGNETIC SOCKET
1/4"	Cat.	48-32-0250	1/4" Sq. x	49-66-3000
5/16"	No.	48-32-0312	2" Long	49-66-3010
3/8"	48-32-1000	48-32-0375	48-32-2050	49-66-3020

NOTE: For Hex Nuts or Hex Head Screws, using one piece extensions, use accessories as shown for Model 6583-1, plus Bit Guide Housing, NO. 48-32-1000.

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS — SPECIFICATIONS — SEE P. 61

HEAVY-DUTY DRYWALL SCREW-SHOOTERS

3 MODELS

- NO. 6747-1 REVERSING 2500 RPM
- NO. 6750-1 TRIGGER SPEED CONTROL REVERSING 0-4000 RPM
- NO. 6751-1 REVERSING - HIGH SPEED - 4000 RPM



- POSITIVE DRIVE CLUTCH
- NON-MARRING LOCATORS
- CONVENIENT REVERSING SWITCH
- POWERFUL MILWAUKEE 4.5 AMP MOTOR
- MINIMUM OFFSET FOR CLOSE QUARTER WORK

• SIMPLE POSITIVE DEPTH ADJUSTMENT

Positive lock adjustment provides a wide range of depth settings. Simplified, one hand adjustment. Push Locking Collar forward and rotate it to right or left. Each 1/4 turn equals 1/64" change in depth. Molded nose assembly is permanently lubricated and will not rust or corrode.

ALL BALL AND ROLLER BEARINGS

NO. 6750-1
TRIGGER SPEED CONTROL REVERSING
MODEL 6750-1 LOCKS ON AT 2500 OR 4000 RPM



RED CATALOG NOS. ARE STANDARD EQUIP.

ACCESSORIES

1/4" HEX MAGNETIC BIT HOLDER
NO. 48-32-3025

"O" RING ONLY FOR ABOVE
NO. 48-32-3045

NOSE END ONLY FOR ABOVE
NO. 48-32-3040



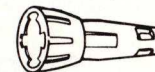
NON-MARRING MAGNETIC BIT HOLDER LOCATOR
NO. 49-26-1000

1/4" HEX PHILLIPS INSERT BITS
#1
NO. 48-32-1030
#2
NO. 48-32-1050



BIT HOUSING
NO. 48-32-2500

1/4" HEX INSERT SOCKETS MAGNETIC
NO. 49-66-0800



STEEL LOCATOR ASSEMBLY
NO. 49-26-1010



LOCATOR TIP NO. 49-78-0100
REPLACEMENT INSERT FOR DRYWALL LOCATOR
NO. 49-26-1000

For use on extremely abrasive material or metal lath. Easily removable for non-marring applications.

CONVERSION KIT NO. 49-22-1520

Non-marring nose assembly fits previous MILWAUKEE Drywall Screw-Shooters. Consists of Bit Housing NO. 48-32-2500 and Locator Sleeve NO. 49-26-1000.

CATALOG NUMBER	VOLTS	AMPS	RPM NO LOAD	BIT SHANK SIZE	SPINDLE OFFSET	LGTH. (IN.)	NET WGT. (LBS.)	SH. WGT. (LBS.)
6747-1	120 AC	4.5	2500	1/4" Hex	3/4"	10-1/4	4	7
6750-1	120 AC ONLY	4.5	0-4000	1/4" Hex	3/4"	10-1/4	4	7
6751-1	120 AC	4.5	4000	1/4" Hex	3/4"	10-1/4	4	7

• Available in 240 Volts AC Only. Add -3 after Catalog Number when ordering. See price sheet.

NOTE: Models have reversing type motor and are equipped with lockable trigger switch.

STANDARD EQUIPMENT: #2 Phillips Bit, Magnetic Bit Holder and Magnetic Bit Holder Locator No. 49-26-1000.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

DEEP CORRUGATION KIT AVAILABLE FOR MODEL 6747-1 and 6798-1

— SEE P. 57

CARRYING CASE, HOLSTER, GREASE AVAILABLE — SEE P. 57

FOR COMPLETE BIT AND SOCKET ILLUSTRATIONS — SPECIFICATIONS — SEE P. 61

HEAVY-DUTY MOBILE HOME KIT

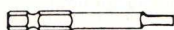


MOBILE HOME KIT NO. 49-22-1530

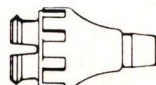
Kit consists of Bit Guide Housing, 5/32" x 2-3/4" Clutch Head Bit and Clutch Head Finder Assembly.



BIT GUIDE HOUSING
NO. 48-32-1000



5/32" x 2-3/4" CLUTCH HEAD BIT
NO. 48-30-1145



CLUTCH HEAD FINDER ASSEMBLY
NO. 48-30-2500

Permits fast, efficient driving of clutch head screws commonly used in the mobile home industry. Spring loaded finder centers screws, then slides back for access into extrusions. Fits 5/32" clutch head drive only.

FITS THE FOLLOWING LIST OF MILWAUKEE SCREW-SHOOTERS FOR USE WITH CLUTCH HEAD SCREWS

CAT. NO.	6747-1*	2500 RPM POSITIVE DRIVE
6798-1	0-2500 RPM POSITIVE DRIVE	
6543-1	0-1000 RPM POSITIVE DRIVE	
6750-1	0-4000 RPM POSITIVE DRIVE	
6751-1	4000 RPM POSITIVE DRIVE	
6583-1	0-1000 RPM ADJUSTABLE TORQUE	
6783-1	0-2500 RPM ADJUSTABLE TORQUE	
6745-1	2500 RPM POSITIVE DRIVE (Discontinued)	
6746-1	2500 RPM POSITIVE DRIVE (Discontinued)	
6796-1	2500 RPM POSITIVE DRIVE (Discontinued)	

* Recommended

HEAVY-DUTY SCREW-SHOOTER ACCESSORIES

SCREW-SHOOTER NOSE PIECE ASSEMBLIES



BIT GUIDE HOUSING



SHORT BIT GUIDE



LONG BIT GUIDE

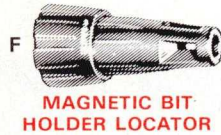
Milwaukee's Exclusive Bit Guides Provide Wobble-Free Screwdriving



BIT HOUSING

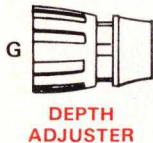


LOCATOR

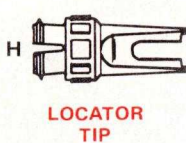


MAGNETIC BIT HOLDER LOCATOR

Milwaukee Locators Provide Wobble-Free Screwdriving — Plus Depth Adjustments



DEPTH ADJUSTER



LOCATOR TIP



CLUTCH HEAD FINDER ASSEMBLY

KEY	DESCRIPTION	CATALOG NO.	FOR USE WITH DRIVER
A	Bit Guide Housing	48-32-1000	6543-1 6747-1 6750-1 6751-1 6798-1
B1	1/4" Bit Guide	48-32-0250	ALL MODELS
B2	5/16" Bit Guide	48-32-0312	
B3	3/8" Bit Guide	48-32-0375	
C1	6F-8R Bit Guide	48-32-0608	ALL EXCEPT 6750-1 & 6751-1
C2	8F-10R Bit Guide	48-32-0810	
C3	10F-12R Bit Guide	48-32-1012	
C4	12F-14R Bit Guide	48-32-1214	
C5	14F-16R Bit Guide	48-32-1416	
D	Bit Housing	48-32-2500	6543-1 6747-1 6750-1 6751-1 6798-1
E1	1/4" Locator	49-26-0250	6543-1 6747-1 6750-1 6751-1 6798-1
E2	5/16" Locator	49-26-0312	6543-1 6747-1 6750-1 6751-1 6798-1
E3	3/8" Locator	49-26-0375	6543-1 6747-1 6798-1
E4	7/16" Locator	49-26-0600	6543-1 6747-1 6798-1
F1	Mag. Bit Holder Loc.	49-26-1000	6543-1 6747-1 6750-1 6751-1 6798-1
F2	Steel Loc. Assembly consists of 31-58-0025 locking ring and 30-60-0015 locator sleeve.	49-26-1010	6543-1 6747-1 6750-1 6751-1 6798-1
G	Depth Adjuster	49-26-2500	6543-1 6747-1 6798-1
H1	5/16" Locator Tip	49-78-0312	6543-1 6747-1 6798-1
H2	3/8" Locator Tip	49-78-0375	6543-1 6747-1 6798-1
I	Clutch Head Finder Assm.	48-30-2500	6543-1 6747-1 6750-1 6751-1 6798-1

SCREWDRIVING ACCESSORIES



J



K



L



M



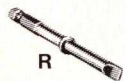
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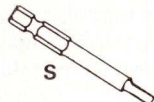
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When Ordering, Use Catalog Numbers

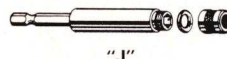
BIT HOLDERS • SOCKETS • EXTENSIONS • BITS and FINDERS

KEY	DESCRIPTION	SIZE	CATALOG NO.	FOR USE WITH
J	Magnetic Bit Holder		48-32-3025	F1, F2 or C1
K	Non-Mag. Bit Holder		48-32-3050	E1 or B1
L1	1/4" Sq. x 2" Socket Driver		48-32-2050	M-N
L2	1/4" Sq. x 4" Socket Driver		48-32-2055	G-H
M1	Hex Sockets Only Magnetic	1/4"	49-66-3000	L1 & E1 or B1
M2		5/16"	49-66-3010	L1 & E2 or B2
M3		3/8"	49-66-3020	L1 & E3 or B3
M4		7/16"	49-66-3030	L1 & E4
N1	2" Lg. Hex Nut Magnetic Sockets With Bolt Clearance	1/4"	49-66-3002	L1 & B2
N2		5/16"	49-66-3012	L1 & C2
N3		3/8"	49-66-3022	L1 & C3
O	1 Pc. Hex Socket Extension Non-Magnetic	5/16"	49-66-3015	E2 or B2
P1	1 Pc. Hex Socket Extension Magnetic	1/4"	49-66-3006	E1 or B1
P2		5/16"	49-66-3016	E2 or B2
P3		3/8"	49-66-3026	E2 or B3
Q1	Bit and Finder Combinations (Slotted Screws) 3-1/2" long	6F-8R	48-30-2600	C1
Q2		8F-10R	48-30-2625	C2
Q3		10F-12R	48-30-2650	C3
Q4		12F-14R	48-30-2675	C4
Q5		14F-16R	48-30-2700	C5
R1	Replacement Bits for Bit and Finder Combinations 3-1/2" long	6F-8R	48-30-0750	Q1
R2		8F-10R	48-30-0770	Q2
R3		10F-12R	48-30-0790	Q3
R4		12F-14R	48-30-0800	Q4
R5		14F-16R	48-30-0805	Q5

When Ordering, Use Catalog Numbers

INSERT BITS

KEY	DESCRIPTION	SIZE	CATALOG NO.	FOR USE WITH
S	Clutch Head Bit	5/32"x2-3/4"	48-30-1145	I
T1	Phillips 1" long	#1	48-32-1030	J & K
T2		#2	48-32-1050	
T3		#3	48-32-1070	
U1	Posidriv® 1" long	#1	48-32-1120	
U2		#2	48-32-1125	
U3		#3	48-32-1130	
V1	Frearson (Reed & Prince) 1-1/8" long	#1	48-32-1110	
V2		#2	48-32-1115	
W1	Square Drive (Robertson) 1" long	#1	48-32-1205	
W2		#2	48-32-1210	
W3		#3	48-32-1215	
X1	Slotted Screw Insert Bits 1-1/2" long	6F-8R	48-32-0050	It is Recommended Slotted Screws Be Driven With Q1 thru Q5
X2		8F-10R	48-32-0060	
X3		10F-12R	48-32-0070	
X4		12F-14R	48-32-0080	
X5		14F-16R	48-32-0090	
Y1	Magnetic Insert Socket	1/4"	49-66-0800	J & K
Y2	Non-Mag. Insert Socket	1/4"	49-66-0750	



"J"

1/4" HEX MAGNETIC BIT HOLDER
NO. 48-32-3025

"O" RING ONLY FOR ABOVE
NO. 48-32-3045

NOSE END ONLY FOR ABOVE
NO. 48-32-3040



LOCATOR TIP 49-78-0100
REPLACEMENT INSERT FOR DRYWALL LOCATOR
NO. 49-26-1000

For use on extremely abrasive material or metal lath. Easily removable for non-marring applications.



ACCESSORIES FOR PREVIOUS MILWAUKEE 1/4" HEX SHANK DRIVERS

1-15/16" Long Bits For Slotted Head Screws 2" Long Phillips Bits



BIT

SCREW SIZE	BIT CATALOG NO.
6F-8R	48-30-0500
8F-10R	48-30-0505
10F-12R	48-30-0510
12F-14R	48-30-0515



PHILLIPS BIT

#2 NO. 48-30-1520
#3 NO. 48-30-1500

HEAVY-DUTY METAL CUTTING SHEARS

5 Models: **18** **16** **14**

CUT ALL TYPES OF SHEET METAL

BALL AND ROLLER BEARINGS

18 GAUGE
SWIVEL HEAD
NO. 6850

16 GAUGE
NO. 6800

14 GAUGE
NO. 6810

NEW

NEW 18 GAUGE SWIVEL HEAD SHEAR NO. 6850

- Cuts spiral pipe right across seam
- Cuts duct work through Pittsburgh lock
- Cuts round holes...square holes...irregular holes
- 360° swivel head
- Cuts up to 15' per min
- Continuous metal curl
- Head assembly designed for easy servicing

INDEXING BLADES...NO VERTICAL ADJUSTMENTS REQUIRED

Each blade has four cutting edges. When the cutting edge becomes dull, rotate both upper and lower blade one quarter turn to expose new cutting edges.

MILWAUKEE METAL CUTTING SHEAR FEATURES:

- High speed accurate cutting mechanism
- Simple blade adjustments — no shims
- Blade design eliminates jamming
- Leaves edges smooth — burr free
- No adjustments for straight cuts — curves
- Cuts close curves either right or left
- Clear, unobstructed visibility

NEW

SHEAR HEAD ASSEMBLY NO. 48-08-0500



Use with MILWAUKEE 1/4" HOLE-SHOOTER
Catalog No. 0181. See page 4 for
HOLE-SHOOTER Specifications.



CATALOG NUMBER	STEEL	CAPACITY STAINLESS	VOLTS	AMPS	CUTTING SPEED FT./MIN.	MIN. RADIUS	NET WGT. LBS.	SHR. WGT. LBS.
6850	18 Ga.	20 Ga.	120 AC	3.25	15	7"	4	6
6800★	16 Ga.	17 Ga.	120	2.1	14	1/2"	5-1/4	8
6810	14 Ga.	16 Ga.	115	3.0	10	3/4"	5	7
6820	12 Ga.	14 Ga.	115	6.4	8	3/4"	8-1/2	11
6830	10 Ga.	12 Ga.	115	6.4	5	1"	10	13

★ Available in 240 Volts. Add -2 after Catalog Number when ordering.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

STANDARD EQUIPMENT Also Available as Accessories

CATALOG NO.	DESCRIPTION	FOR CATALOG NOS.			
49-11-0050	Feeler Gauges	6800	6810	6820	6830
49-80-0010	Blade Adj. Screw Tool		6810	6820	6830
49-11-0065	Cutting Angle Gauge		6810	6820	6830
49-96-0060	1/8" Hex Socket Wrench	6800			
49-96-0065	9/64" Hex Socket Wrench	6800			
49-96-0070	5/32" Hex Socket Wrench				6850
49-96-0310	Hex Socket Wrench Set		6810	6820	
49-96-0320	Hex Socket Wrench Set				6830
48-44-0070	Shear Blade Set	6800			
48-44-0080	Shear Blade Set		•6810	6820	
48-44-0090	Shear Blade Set				6830
48-44-0100	Indexing Shear Blade Set		▲6810		
49-13-0020	Scrap Guide			6820	
48-08-0500	Shear Head Assembly				6850
48-44-0150	Center Blade				6850
48-44-0160	Left Blade				6850
48-44-0170	Right Blade				6850

• For 6810 with Serial Number 444-4175 and below.
▲ For 6810 with Serial Number 444-4176 and above.

MISCELLANEOUS ACCESSORIES

CATALOG NO.	DESCRIPTION	FOR CATALOG NOS.			
49-08-0500	1/2 lb. Can "A" Grease	6810	6820	6830	6850
49-08-0800	1 lb. Can "A" Grease	6810	6820	6830	6850
49-08-1000	1 lb. Can "C" Grease	6800			
49-14-0300	Grease Gun		6810	6820	6830

12 **10** Gauge

COLD ROLLED STEEL • STAINLESS • NON-FERROUS

**12 GAUGE
TRIM SHEAR
NO. 6820**



**10 GAUGE
TRIM SHEAR
NO. 6830**



Tool steel shear blades are easily adjustable. Sheared metal rides smoothly over steel yoke providing high trim cutting efficiency.

**MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS**

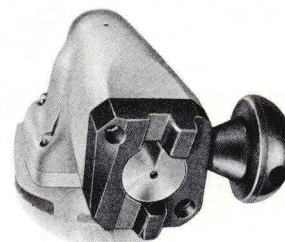
HEAVY-DUTY "PITTSBURGH LOCK" HAMMER

**FOR SHEET METAL AND
AIR CONDITIONING CONTRACTORS**



CAPACITY
30 TO 22 GAUGE SHEET METAL
CLOSES SEAMS NEATLY
UP TO
20 FEET PER MINUTE

FEATURES:



SPECIALLY DESIGNED HAMMER OF HARDENED TOOL STEEL. CLOSES SEAMS FLUSH AND SECURE. SHOE GUIDE ASSURES PROPER POSITIONING.

- BALL AND ROLLER BEARINGS
- SPLIT HANDLE DESIGN AND REMOVABLE VENT PROVIDE ACCESS TO ALL ELECTRICAL CONNECTIONS FOR EASY INSPECTION AND CLEANING.
- POSITION OF HANDLE AFFORDS POSITIVE CONTROL AND BALANCE
- AUXILIARY KNOB HANDLE FOR TWO HAND OPERATION ON HEAVY GAUGE METALS
- GUIDES EASILY ALONG SEAM ON STRAIGHT RUNS OR CURVES

SPECIFICATIONS

CATALOG NUMBER	CAPACITY	FT./MIN.	VOLTS	AMPS	NET WGT.	SH. WGT.
5400	30 to 22 Ga.	20' Max.	115	2.7	10	14

**MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES
THAT THIS TOOL COMPLIES WITH O.S.H.A. REQUIREMENTS**

TYPE "A" GREASE
NO. 49-08-0500 1/2 LB. CAN
NO. 49-08-0800 1 LB. CAN

HEAVY-DUTY IMPACT WRENCHES

NEW NO. 9052 1/2" SQUARE DRIVE

With Ball Detent Square Drive. Balanced for fatigue-free use. Powerful Milwaukee built motor for heavy-duty industrial applications and equipment maintenance. Forward and reverse rotation is achieved by turning rear end-cap. Protective rubber ring on rear end-cap and rubber gear case cap help protect tool.

CATALOG NUMBER	VOLTS	AMPS	IMPACTS PER MIN.	NO. LOAD RPM	TORQUE RANGE	LENGTH (INS.)	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
9052★	120	5.2	2200	2200	95-140	11-1/2	8-1/4	10-1/2
9057 KIT	120	5.2	2200	2200	95-140	11-1/2	17	19

★ Available in 240 Volts. Add -2 after Catalog Number when ordering.



NO. 9057 1/2" SQUARE DRIVE KIT

Contains No. 9052 Impact Wrench, No. 48-55-2580 Steel Carrying Case and the following sizes of 1/2" Hex Drive Sockets: 1/2", 9/16", 5/8", 11/16", 3/4" and 13/16".

NO. 9051 1/2" SQUARE DRIVE

With Ball Detent Square Drive. A powerful impact wrench for setting, running or removing bolts, nuts, studs and screws... also taps, threads, rethreads, drills and reams. Forward and reverse rotation is achieved by turning rear end-cap. Brushes shift automatically for best commutation and efficiency.

CATALOG NUMBER	VOLTS AC	AMPS	IMPACTS PER MIN.	NO. LOAD RPM	TORQUE RANGE	LENGTH (INS.)	NET WGT. (LBS.)	SHIP. WGT. (LBS.)
9051	115	4	1900	1900	95-130	10-1/4	6-1/4	9-1/4
9056 KIT	115	4	1900	1900	95-130	10-1/4	13	16



NO. 9056 1/2" SQUARE DRIVE KIT

Complete with No. 9051 Impact Wrench, No. 48-55-2580 Steel Carrying Case and the following sizes of 1/2" Hex Drive Sockets: 1/2", 9/16", 5/8", 11/16", 3/4" and 13/16".

1/2" SQUARE DRIVE IMPACT WRENCH ACCESSORIES

HEAVY-DUTY 1/2" SQUARE DRIVE IMPACT HEX SOCKETS

7/16" NO. 49-66-3070
11/16" NO. 49-66-3110

1/2" NO. 49-66-3080
3/4" NO. 49-66-3120

Single broached, standard length. Specially made for Impact Wrench.

9/16" NO. 49-66-3090
13/16" NO. 49-66-3130

5/8" NO. 49-66-3100
7/8" NO. 49-66-3140



UNIVERSAL JOINT NO. 48-03-0500

Fits 1/2" Square Drive and used with Hex Sockets to reach difficult places at various angles... also allows clearance around obstructions.



TOOL HANGER NO. 49-17-0220

For Impact Wrench models 9051, 9056 and 9070.



EXTENSION BAR NO. 48-95-5000

Adapts to 1/2" Square Drive. Provides 5" additional length where required for use with sockets or other accessories.



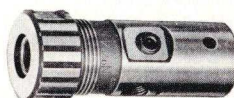
KEYLESS CHUCK NO. 48-66-0010

Adapts to 1/2" Square Drive with capacity for accessories with 1/8" to 1/2" diameter shanks.



QUICK CHANGE CHUCK NO. 48-66-0060

With 7/16" Hex Socket for Screw Driver Bits and Hole Saws or other accessories with 7/16" Hex Shanks. See pages 12 and 13 for Hole Saws.



COLLET CHUCK NO. 48-66-0050

For round shank tools, drills and reamers 3/16" to 3/8" diameter... also taps and E-Z outs No. 10 to 1/2". Two wrenches are included.

OPEN END WRENCH NO. 49-96-4680

Included and used with Collet Chuck No. 48-66-0050.

SPECIAL LUBRICANT NO. 49-08-0100 For mechanism — 3-1/2 oz. tube.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIED

HEAVY-DUTY IMPACT WRENCHES

NO. 9070 3/4" SQUARE DRIVE

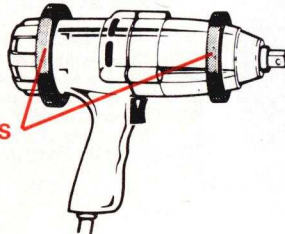
With Pin and Ring Retainer Square Drive. Perfect balance for fatigue-free use and plenty of power make this tool ideal for steel erection, equipment maintenance and other heavy-duty industrial applications. This tool has the same basic high quality impact mechanism as the Cat. No. 9051 plus an increased torque range.

CATALOG NUMBER	VOLTS	AMPS	IMPACTS PER MIN.	NO. LOAD RPM	TORQUE RANGE	LENGTH (INS.)	NET WGT. (LBS.)	SH. WGT. (LBS.)
9070	115	6	1725	1700	175-250	11-7/8	10	13



TOOL HANGER For use with Model 9070, also for Models 9051 and 9056.
NO. 49-17-0220

PROTECTIVE RUBBER RINGS
For Model 9070
Order **BUMPER KIT**
NO. 48-50-1010



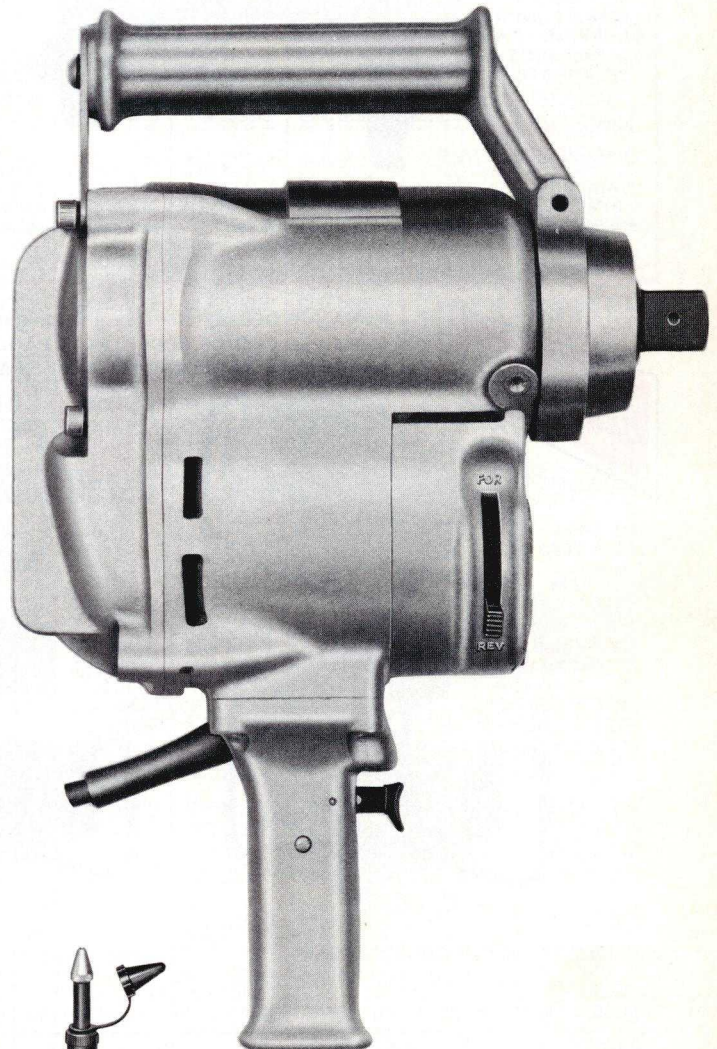
SPECIAL LUBRICANT NO. 49-08-0100 For mechanism—3-1/2 oz. tube.



NO. 9080 1" SQUARE DRIVE

With Pin and Ring Retainer Square Drive. The most powerful impact wrench of its size for setting, running or removing bolts, nuts and studs. Ideal for steel erection, equipment maintenance and other heavy-duty industrial applications.

CATALOG NUMBER	VOLTS	AMPS	IMPACTS PER MIN.	NO. LOAD RPM	TORQUE RANGE	LENGTH (INS.)	NET WGT. (LBS.)	SH. WGT. (LBS.)
9080	115	10	900	800	450-750	14-1/8	32-1/2	38



GREASE GUN NO. 49-14-0300
For Impact Wrench No. 9080

HEAVY-DUTY ALTERNATORS *RELIABLE LOW COST POWER*

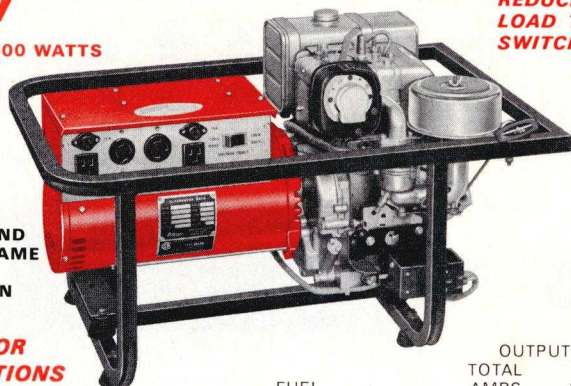
Advanced design revolving field alternators offer superior electrical performance with less weight, less maintenance and less cost. Full power output is obtained from stationary coils through solid connections eliminating arcing and sparking. Brushes in alternator ride on smooth slip rings and carry only low control current with practically no brush wear. Nationally recognized Briggs & Stratton engines are used.

NEW

3000 WATT ALTERNATOR WITH IDLE CONTROL SWITCH FOR GREATER ECONOMY.
REDUCES ENGINE SPEED AUTOMATICALLY FROM 3600 RPM UNDER LOAD TO 2100 RPM NO LOAD FOR LONGER ENGINE LIFE. WHEN SWITCH IS TURNED OFF UNIT RUNS AT CONSTANT 3600 RPM.

NO. 4650 3000 WATTS
8 H.P.
3600 RPM
TO IDLE
2100 RPM

**FULL
WRAP-AROUND
CARRYING FRAME
FOR UNIT
PROTECTION**



ALTERNATOR SPECIFICATIONS

CATALOG NUMBER	WATTS	H. P.	ENGINE 1 CYL.	START	FUEL TANK (GAL.)	VOLTS AC	TOTAL AMPS OUTPUT		120 V 2 POLE NEMA		120 V TWIST LOCK NEMA		240 V TWIST LOCK		O.A. DIMENSIONS IN INCHES			NET WT. (LBS.)	SHP. WT. (LBS.)
							120/240		#5-15R		#L5-30R		L6-20R		L.	W.	H.		
4650	3000	8	B & S	Recoil	1	120/240	25.0/12.5		2 Fused 15 Amps		1		1		32	22.5	19	120	135

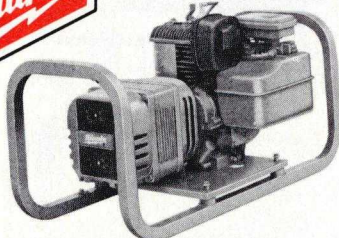
- U. S. Forest Service approved Spark Arrester Muffler.
- Solid State Voltage Control maintains a $\pm 5\%$ voltage control in respect to frequency range. Maintains a 2 to 1 ratio of voltage over frequency.
- Full Capacity Switch provides full capacity to 120 volt receptacles or split between 120 volt and 240 volt receptacles; i.e. 40%-120 volt load and 60%-240 volt load.

NO. 48-83-0150 ALTERNATOR DOLLY FOR ALTERNATOR NO. 4650

Consists of push handle, rest and wheel assemblies. 8" dia., semi-pneumatic, heavy-duty tires. Net Wt. 14 lbs., Shpg. Wt. 19 lbs.

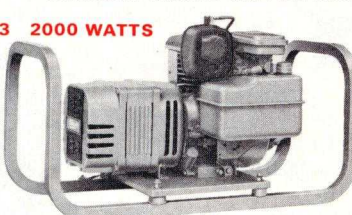


**NO. 4443
1500 WATTS
4 H.P.
3600 RPM**

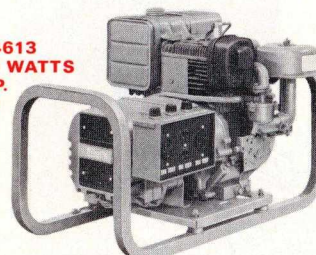


- **ADVANCE DESIGN** Revolving field alternator construction eliminates AC slip rings and DC commutators
- **MULTIPLE CHOICE RECEPTACLE PANEL** To fit your electrical requirements
- **LARGE FUEL TANK CAPACITIES** • **MANUAL CHOKE ON ALL MODELS**

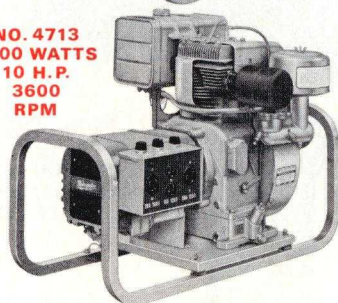
NO. 4503 2000 WATTS
5 H.P.
3600 RPM



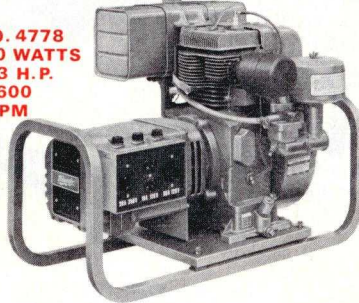
**NO. 4613
3000 WATTS
8 H.P.
3600 RPM**



**NO. 4713
4000 WATTS
10 H.P.
3600 RPM**

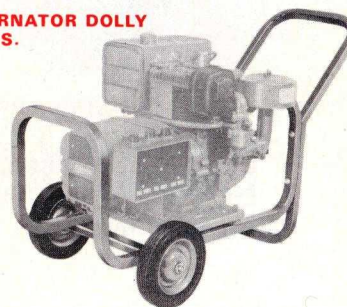


**NO. 4778
5000 WATTS
13 H.P.
3600 RPM**



NO. 48-83-0120 ALTERNATOR DOLLY FOR ALTERNATOR NOS. 4443, 4503, 4613, 4713, and 4778

Consists of push handle, rest and wheel assemblies. 8" dia., semi-pneumatic, heavy-duty tires. Wheels have roller bearings. Net Wt. 14 lbs., Shpg. Wt. 19 lbs.



ALTERNATOR SPECIFICATIONS

CATALOG NUMBER	WATTS	H. P.	ENGINE 1 CYL.	START	FUEL TANK (GAL.)	VOLTS AC	TOTAL AMPS OUTPUT		120 V 2 POLE NEMA		120 V TWIST LOCK NEMA		240 V TWIST LOCK		OVERALL DIMENSIONS IN INCHES			NET WT. (LBS.)	SHP. WT. (LBS.)
							120/240		#5-15R		#L5-30R		L6-20R		L.	W.	H.		
4443	1500	4	B & S	Recoil	3/4	120	12.5		4		—		—		28.5	16	15.5	84	108
4503	2000	5	B & S	Recoil	3/4	120	16.6		4		—		—		28.5	16	15.5	84	108
4613	3000	8	B & S	Recoil	1-1/2	120/240	25.0/12.5	2	Fused	1	Fused		Fused		28.5	18.25	18.5	111	134
4713	4000	10	B & S	Recoil	1-1/2	120/240	33.3/16.6	2	15	1	30		20		31	20	23	184	228
4778	5000	13	B & S	Recoil	1-1/2	120/240	41.6/20.8	2	Amps	1	Amps		Amps		31	20.5	22.5	210	256

CAPACITY: Catalog Numbers 4443 and 4503 — Full rated alternator current can be drawn from a single receptacle or split between two or more receptacles.

Catalog Numbers 4613, 4713 and 4778 — Full rated alternator current can be drawn from either the 120 volt or 240 volt receptacles except where receptacles are fused at current values below the full capacity of the alternator (requirement of National Electric Code). Full rated current loads can also be split between the 120 volt and 240 volt receptacles; i.e. 40% — 120 volt load and 60% — 240 volt load.

HOW TO SELECT YOUR MILWAUKEE ALTERNATOR

MILWAUKEE Alternators are built for continuous-duty operation at rated capacity. To determine which Alternator best fits your needs, total the watt ratings (volts x amps = watts) of all equipment (excluding electric motors) to be operated at the same time. The watt rating of the Alternator should be at least equal this total. When operating electric motors, add the "starting watts required" shown in the chart at right to insure good starting and to reduce disturbances to other loads. When analyzing the motor loads and required starting watts, determine which loads can be staggered. In most cases, it is impractical to have an alternator large enough to handle total connected load.

Motor H.P. Rating	Approx. Running Watts	Approximate Starting Watts Required			
		Universal Motors	Repulsion Induction Motors	Capacitor Motors	Split Phase Motors
1/6	275	400	600	850	1200
1/4	400	500	850	1050	1700
1/3	450	600	975	1350	1950
1/2	600	750	1300	1800	2600
3/4	850	1000	1900	2600	†
1	1000	1250	2300	3000	†
1 1/2	1600	1750	3200	4200	†
2	2000	2350	3900	5100	†
3	3000	†	5200	6800	†

† Motors of higher horsepower are not generally used.

MILWAUKEE ELECTRIC TOOL CORPORATION CERTIFIES THAT THESE TOOLS COMPLY WITH O.S.H.A. REQUIREMENTS

QUICK REFERENCE LIST GENUINE MILWAUKEE REPLACEMENT PARTS

For customer convenience, MILWAUKEE provides this list of replacements to simplify ordering components for current models listed in this catalog. Genuine MILWAUKEE parts for these and previous models are available from your nearest Authorized Service Station, Branch or Factory as listed on page 3. These parts are exact duplicates of those used in MILWAUKEE ELECTRIC TOOLS and are your assurance of maximum tool life and trouble-free operation.

• Cat. No.	Service Bulletin No.	Serial No. Start	Armature No.	Field No.	Carbon Brush No.	Cord No.	Brush Cap No.	Switch No.
0101	54-06-0205	376-33402	16-22-1280	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0102-1	54-06-0352	428-26932	16-22-1280	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0792
0121	54-06-0504	377-46118	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0122-1	54-06-0652	429-7274	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0792
0125	54-06-0701	322-3404	16-20-1010	18-20-1000	22-18-0310	22-64-0310	23-44-0020	23-66-0280
0141	54-06-0820	479-1001	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0181	54-06-1304	393-2118	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0191	54-06-1504	394-2394	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0221	54-06-2104	378-11101	16-22-1241	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
0222-1	54-06-2304	430-64221	16-22-1241	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0792
0225	54-06-2401	316-3052	16-20-1000	18-20-1000	22-18-0155	22-64-0310	23-44-0020	23-66-0280
0566-1	54-05-0125	542-1001	16-22-1221	18-22-1060	22-18-0155	22-64-0665	23-44-0020	23-66-0792
0567-1	54-05-0130	542-1001	16-22-1221	18-22-1060	22-18-0155	22-64-0665	23-44-0020	23-66-0792
0801	54-08-0222	485-3723	16-30-0200	18-30-0200	22-16-0250	22-64-0385	23-44-0120	23-66-0505
0871	54-08-0612	486-3158	16-30-0200	18-30-0100	22-16-0250	22-64-0385	23-44-0120	23-66-0505
1001	54-08-1102	490-8544	16-30-0300	18-30-0200	22-16-0250	22-64-0385	23-44-0120	23-66-0505
1001-1	54-08-1142	491-21236	16-30-0300	18-30-0200	22-16-0250	22-64-0385	23-44-0120	23-66-0751
1101	54-08-1162	492-8081	16-30-0300	18-30-0200	22-16-0250	22-64-0385	23-44-0120	23-66-0505
1101-1	54-08-1182	493-25491	16-30-0300	18-30-0200	22-16-0250	22-64-0385	23-44-0120	23-66-0751
1120	54-08-2141	306-3001	16-40-1030	18-40-1000	22-18-0280	22-64-0310	23-44-0020	23-66-0230
1201	54-08-2062	495-8706	16-30-0300	18-30-0200	22-16-0250	22-64-0385	23-44-0120	23-66-0751
1250-1	54-08-1082	459-4861	16-30-0200	18-30-0100	22-16-0250	22-64-0385	23-44-0120	23-66-0751
1600	54-10-0504	108-54935	16-62-1140	18-62-1120	22-18-0170	22-64-0386	23-44-0065	23-66-0481
1600-1	54-10-0527	109-39520	16-62-1140	18-62-1120	22-18-0170	22-64-0386	23-44-0065	23-66-0481
1620-1	54-10-0545	343-15110	16-62-1140	18-62-1120	22-18-0170	22-64-0386	23-44-0065	23-66-0481
1650	54-10-2005	117-43920	16-62-1010	18-62-1010	22-18-0170	22-64-0386	23-44-0065	23-66-0491
1650-1	54-10-2028	142-8325	16-62-1120	18-62-1120	22-18-0170	22-64-0386	23-44-0065	23-66-0491
1670-1	54-10-4026	472-1001	16-62-1165	18-62-1120	22-18-0450	22-64-0386	23-44-0130	23-66-0581
1675-1	54-10-4004	413-65185	16-62-1165	18-62-1120	22-18-0450	22-64-0386	23-44-0130	23-66-0581
1700-1	54-12-1044	131-3370	16-82-1421	18-82-1110	22-18-0115	22-64-0386	23-44-0081	23-66-0581
1750-1	54-12-2035	130-4420	16-82-1810	18-82-1070	22-18-0115	22-64-0386	23-44-0081	23-66-0581
1850	54-12-3023	66-14150	16-82-1430	18-82-1110	22-18-0115	22-64-0386	23-44-0081	23-66-0591
1850-1	54-12-3034	128-1060	16-82-1810	18-82-1070	22-18-0115	22-64-0386	23-44-0081	23-66-0581
2400-1	54-12-6053	171-3100	16-82-1231	18-82-1070	22-18-0055	22-64-0386	23-44-0030	23-66-0581
3940	54-16-2041	161-2023	16-82-1220	18-82-1070	22-18-0055	22-64-0065	23-44-0030	—
4030	54-16-3020	345-1001	16-82-1770	18-82-1070	22-18-0055	22-64-0065	23-44-0030	—
4035	54-16-3040	346-1001	16-82-1770	18-82-1070	22-18-0055	22-64-0065	23-44-0030	—
4252-1	54-14-1100	501-1001	16-42-1210	18-42-1040	22-18-0100	22-64-0710	23-44-0060	23-66-0816
4262-1	54-14-2400	502-1001	16-82-1231	18-82-1070	22-18-0055	22-64-0740	23-44-0030	23-66-0792
4282-1	54-14-3100	503-1001	16-82-1231	18-82-1070	22-18-0055	22-64-0740	23-44-0030	23-66-0792
4292-1	54-14-4200	504-1001	16-82-1781	18-82-1070	22-18-0055	22-64-0740	23-44-0030	23-66-0792
4297-1	54-14-4300	505-1001	16-82-1781	18-82-1070	22-18-0055	22-64-0740	23-44-0030	23-66-0792
5191	54-22-5010	441-1001	16-12-0010	18-12-0010	22-18-0480	22-64-0710	23-44-0060	23-66-0895
5220	54-22-3108	75-9482	16-82-1450	18-82-1110	22-18-0260	22-64-0080	23-44-0065	23-68-0255
5240	54-22-4108	76-8472	16-82-1450	18-82-1110	22-18-0260	22-64-0080	23-44-0065	23-68-0255
5265	54-22-5000	448-1001	16-22-1300	18-22-1180	22-18-0485	22-64-0705	31-12-0090	23-66-0900
5300	54-24-3508	342-76821	16-62-1130	18-62-1100	22-18-0330	22-64-0080	23-44-0100	23-66-0506
5310	54-24-3551	518-3256	16-62-1130	18-62-1100	22-18-0330	22-64-0080	23-44-0100	23-66-0506
5325	54-24-3600	551-1001	16-62-1130	18-62-1100	22-18-0330	22-64-0080	23-44-0100	23-66-0506
5330	54-24-1201	477-3500	16-82-1830	18-82-1220	22-18-0145	22-64-0075	23-44-0140	23-66-0506
5351	54-24-3022	488-16100	16-30-0100	18-30-0100	22-16-0250	22-64-0385	23-44-0150	23-66-0505

• For Drill Chucks and Chuck Keys, see page 10.
 • Upper Brush Only. For Lower Brush, order 22-18-0290.

QUICK REFERENCE LIST GENUINE MILWAUKEE REPLACEMENT PARTS

A complete schematic diagram indicating all parts may be obtained by ordering the service bulletin number shown. However, major repairs should be referred to factory trained personnel. **AT NO TIME SHOULD SUBSTITUTE PARTS BE USED.** Always furnish CATALOG NUMBER and SERIAL NUMBER of the tool when ordering parts.

• Cat. No.	Service Bulletin No.	Serial No. Start	Armature No.	Field No.	Carbon Brush No.	Cord No.	Brush Cap No.	Switch No.
5361	54-24-3041	489-1322	16-42-1445	18-42-1230	22-16-0250	22-64-0385	23-44-0150	23-66-0505
5390	54-24-1505	422-29023	16-22-1290	18-22-1160	22-18-0155	22-64-0665	23-44-0060	23-66-0515
5392	54-24-1551	456-5078	16-22-1290	18-22-1160	22-18-0155	22-64-0665	23-44-0060	23-66-0520
5400	54-24-7006	107-11150	16-22-1030	18-22-1030	22-18-0155	22-64-0385	23-44-0020	23-66-0160
5450	54-32-1009	100-35200	16-62-1045	18-62-1035	22-18-0175	22-64-0080	23-44-0100	23-66-0165
5530	54-32-1104	140-9300	16-62-1035	18-62-1035	22-18-0175	22-64-0080	23-44-0100	23-66-0165
5590	54-32-1219	471-14909	16-82-1180	18-62-1110	22-18-0260	22-64-0080	23-44-0065	23-66-0255
5610	54-37-0101	451-1221	16-82-1180	18-62-1100	22-18-0440	22-64-0386	23-44-0130	23-66-0860
5650	54-37-0202	452-2367	16-62-1170	18-62-1170	22-18-0440	22-64-0386	23-44-0130	23-66-0860
5900	54-38-1100	475-1001	16-70-0050	18-70-0050	22-18-0520	22-64-0386	23-44-0130	23-66-0491
5910	54-38-1200	476-1001	16-70-0050	18-70-0050	22-18-0520	22-64-0386	23-44-0130	23-66-0491
6000	54-38-1002	285-4288	16-42-1315	18-62-1315	22-18-0155	22-64-0225	23-44-0060	23-66-0380
6005	54-38-1050	544-1001	16-42-1315	18-62-1315	22-18-0155	22-64-0225	23-44-0060	23-66-0380
6032	54-38-2500	531-1001	16-62-1035	18-62-1035	22-18-0175	22-64-0080	23-44-0100	23-66-0255
6082	54-38-3275	535-1001	16-70-0020	18-70-0020	22-18-0055	22-64-0075	23-44-0030	23-66-0255
6084	54-38-3300	536-1001	16-70-0020	18-70-0020	22-18-0055	22-64-0075	23-44-0030	23-66-0255
6086	54-38-3325	537-1001	16-70-0010	18-70-0010	22-18-0055	22-64-0075	23-44-0030	23-66-0255
6088	54-38-3250	538-1001	16-70-0010	18-70-0010	22-18-0055	22-64-0075	23-44-0030	23-66-0255
6102	54-38-3350	530-1001	16-70-0020	18-70-0020	22-18-0055	22-64-0075	23-44-0030	23-66-0255
6104	54-38-3375	539-1001	16-70-0010	18-70-0010	22-18-0055	22-64-0075	23-44-0030	23-66-0255
6205	54-40-2526	478-4474	16-82-1280	18-82-1085	22-18-0055	22-64-0095	23-44-0030	23-66-0300
6206	54-40-2526	478-4474	16-82-1280	18-82-1085	22-18-0055	22-64-0095	23-44-0030	23-66-0300
6225	54-40-1200	457-1001	16-62-1190	18-62-1050	22-18-0450	22-64-0386	23-44-0130	23-66-0755
6250	54-40-3003	281-26772	16-22-1190	18-22-1121	22-18-0155	22-64-0225	23-44-0020	23-66-0310
6280	54-40-3103	334-5182	16-22-1190	18-22-1121	22-18-0155	22-64-0225	23-44-0020	23-66-0310
6293	54-40-1814	309-6160	16-62-1050	18-62-1050	22-18-0300	22-64-0340	—	23-66-0430
6331	54-40-1842	349-7670	16-62-1100	18-62-1050	22-18-0300	22-64-0340	—	23-66-0430
6360	54-40-1512	177-8633	16-82-1300	18-82-1085	22-18-0095	22-64-0080	23-44-0050	23-66-0500
6370	54-40-2004	368-27500	16-82-1801	18-82-1201	22-18-0095	22-64-0080	23-44-0050	23-66-0255
6400	54-40-1522	178-8327	16-82-1310	18-82-1085	22-18-0095	22-64-0080	23-44-0050	23-66-0500
6506*	54-40-4120	541-1001	16-42-1445	18-42-1230	22-16-0250	22-64-0385	23-44-0120	23-66-0960
6511*	54-40-4251	460-29908	16-42-1445	18-42-1230	22-16-0250	22-64-0385	23-44-0120	23-66-0751
6512*	54-40-4141	483-3061	16-42-1445	18-42-1230	22-16-0250	22-64-0625	23-44-0120	23-66-0751
6543-1	54-42-0302	469-5977	16-10-0155	18-10-0010	22-18-0362	22-64-0665	23-44-0020	23-66-0792
6583-1	54-42-0402	470-7811	16-10-0155	18-10-0010	22-18-0362	22-64-0665	23-44-0020	23-66-0792
6584-1	54-42-0251	497-2104	16-10-0155	18-10-0010	22-18-0362	22-64-0665	23-44-0020	23-66-0792
6747-1	54-42-5152	453-57414	16-10-0155	18-10-0010	22-18-0362	22-64-0665	23-44-0120	23-66-0792
6750-1	54-42-5176	464-1050	16-22-1290	18-22-1160	22-18-0155	22-64-0665	23-44-0020	23-66-0816
6751-1	54-42-0201	468-4591	16-22-1290	18-22-1160	22-18-0155	22-64-0665	23-44-0020	23-66-0816
6783-1	54-42-0352	471-7422	16-10-0155	18-10-0010	22-18-0362	22-64-0665	23-44-0020	23-66-0792
6798-1	54-42-5502	450-21923	16-10-0155	18-10-0010	22-18-0362	22-64-0665	23-44-0020	23-66-0792
6800	54-44-0100	220-1001	16-22-1106	18-22-1030	22-18-0155	22-64-0225	23-44-0060	23-66-0300
6810	54-44-0201	444-4176	16-12-0010	18-12-0010	22-18-0480	22-64-0710	—	23-66-0895
6820	54-44-0300	445-1001	16-22-1310	18-22-1190	22-18-0485	22-64-0715	31-12-0090	23-66-0750
6830	54-44-0400	446-1001	16-22-1310	18-22-1190	22-18-0485	22-64-0715	31-12-0090	23-66-0900
6850	54-44-0500	550-1001	16-22-1251	18-22-1121	22-18-0155	22-64-0665	23-44-0020	23-66-0515
8600	54-47-0100	440-1001	16-12-0020	18-12-0020	22-18-0490	22-64-0725	—	23-66-0905
9051	54-26-1305	466-1001	16-42-1355	18-42-1195	22-16-0260	22-64-0425	23-44-0060	23-66-0750
9052	54-26-1325	549-1001	16-10-0160	18-10-0020	22-18-0560	22-64-0870	—	23-66-0730
9070	54-26-1500	462-1001	16-42-1365	18-42-1205	22-16-0265	22-64-0425	—	23-66-0585
9080	54-26-1525	540-1001	16-82-1840	18-82-1230	22-16-0280	22-64-0860	—	23-66-0950



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